

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120924\
 Data File : VU062179.D
 Acq On : 09 Dec 2024 23:55
 Operator : MD/SY
 Sample : P5116-07MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E1PKOMS

Quant Time: Dec 10 01:43:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 10 00:32:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	105467	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	98404	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	50722	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	31501	4.428	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.907	69	23711	4.686	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.560	65	15661	4.628	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.627	46	77191	56.618	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.240%
24) Chloroform-d	5.052	84	76241	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.692	65	40692	5.375	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.717	84	137745	4.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.679	67	39422	4.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.891	98	132462	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.174	79	14190	3.975	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.624	63	57403	53.306	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.620%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	34508	5.469	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	12.183	152	47767	5.110	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	39747	4.023	ug/L	97
3) Chloromethane	1.515	50	29761	3.843	ug/L	99
5) Vinyl chloride	1.599	62	30499	3.783	ug/L	97
6) Bromomethane	1.853	94	19122	3.558	ug/L	98
8) Chloroethane	1.930	64	17471	3.869	ug/L	98
9) Trichlorofluoromethane	2.132	101	58129	4.154	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	30586	4.015	ug/L	94
12) 1,1-Dichloroethene	2.573	96	28269	3.970	ug/L #	83
13) Acetone	2.640	43	47863	51.561	ug/L	97
14) Carbon disulfide	2.785	76	71586	3.179	ug/L	99
15) Methyl Acetate	2.955	43	2354	1.012	ug/L	92
16) Methylene chloride	3.036	84	31216	4.176	ug/L	91
17) Methyl tert-butyl Ether	3.354	73	81356	4.586	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	29268	4.000	ug/L	95
19) 1,1-Dichloroethane	3.859	63	55793	4.160	ug/L	99
21) 2-Butanone	4.705	43	69331	51.429	ug/L	89
22) cis-1,2-Dichloroethene	4.656	96	35205	4.293	ug/L	95
23) Bromochloromethane	4.965	128	16084	4.474	ug/L #	85
25) Chloroform	5.078	83	66551	4.406	ug/L	97

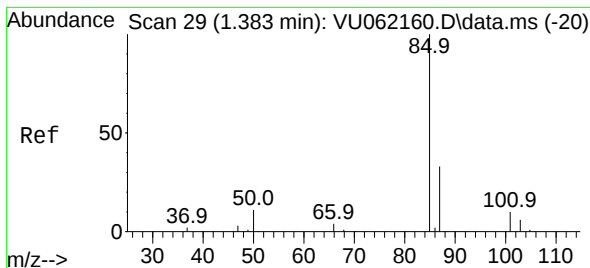
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	41947	4.370	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	60872	4.397	ug/L	94
30) Cyclohexane	5.377	56	43429	3.869	ug/L	92
31) Carbon tetrachloride	5.515	117	53594	4.222	ug/L	100
33) Benzene	5.762	78	129915	4.260	ug/L	100
34) Trichloroethene	6.534	95	35333	4.090	ug/L	97
35) Methylcyclohexane	6.753	83	47952	3.744	ug/L	95
37) 1,2-Dichloropropane	6.782	63	32287	4.348	ug/L	99
38) Bromodichloromethane	7.097	83	47665	4.549	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	40868	3.433	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	175355	50.382	ug/L #	93
42) Toluene	7.962	91	148679	4.521	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	35475	3.650	ug/L	98
45) 1,1,2-Trichloroethane	8.389	97	26153	4.665	ug/L	97
47) Tetrachloroethene	8.544	164	27078	4.060	ug/L	96
48) 2-Hexanone	8.675	43	134544	52.307	ug/L #	95
49) Dibromochloromethane	8.801	129	34485	5.091	ug/L	100
50) 1,2-Dibromoethane	8.917	107	25641	4.760	ug/L #	98
51) Chlorobenzene	9.438	112	91790	4.356	ug/L	98
52) Ethylbenzene	9.563	91	158130	4.289	ug/L	99
53) m,p-Xylene	9.685	106	60070	4.413	ug/L	98
54) o-Xylene	10.093	106	58152	4.393	ug/L	99
55) Styrene	10.106	104	93038	4.263	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	31824	4.878	ug/L #	94
59) Bromoform	10.283	173	20238	5.077	ug/L #	99
60) Isopropylbenzene	10.476	105	158895	4.336	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	23050	4.914	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	131550	4.242	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	129877	4.275	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	73056	4.340	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	73218	4.320	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	71154	4.575	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	5809	5.678	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	51509	4.117	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	44896	4.545	ug/L	99
71) Naphthalene	14.080	128	72047	4.857	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	41304	4.741	ug/L	98

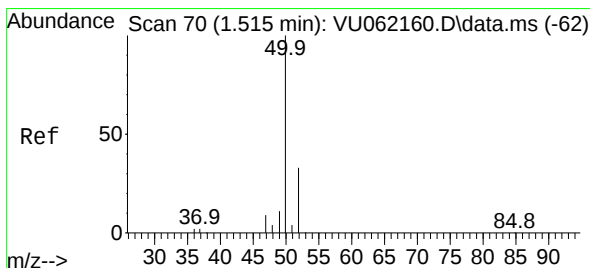
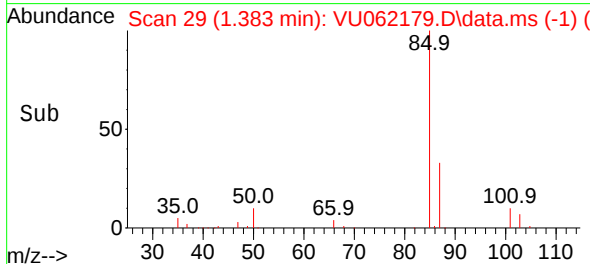
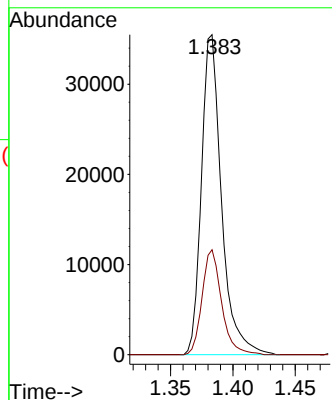
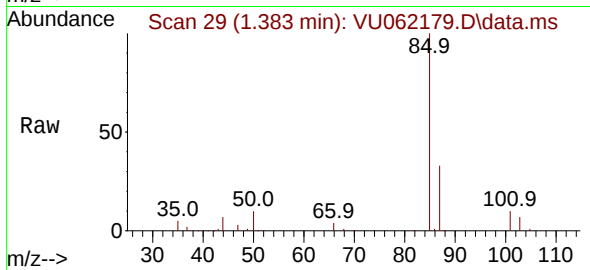
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.023 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VU062179.D
 Acq: 09 Dec 2024 23:55

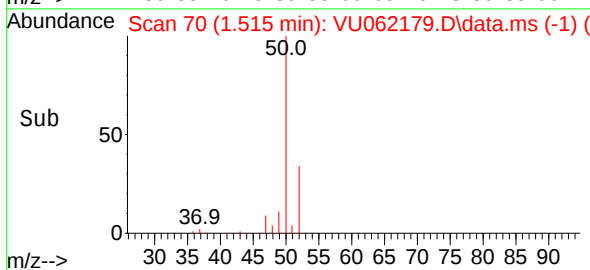
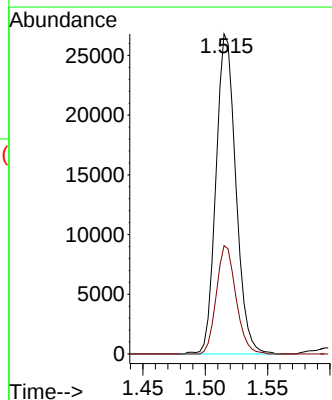
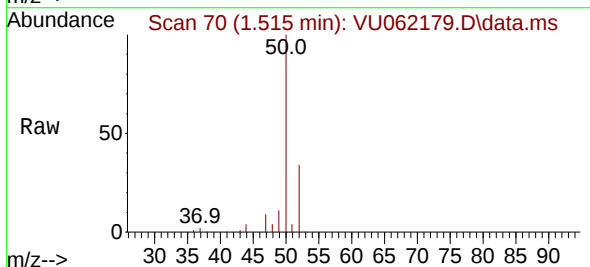
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 ClientSampleId :
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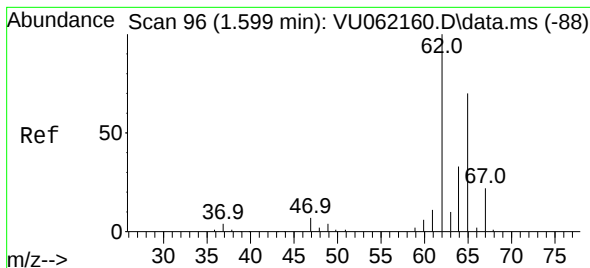
Tgt Ion: 85 Resp: 39747
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.6 40.0



#3
 Chloromethane
 Concen: 3.843 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU062179.D
 Acq: 09 Dec 2024 23:55

Tgt Ion: 50 Resp: 29761
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.1 42.9





#5

Vinyl chloride

Concen: 3.783 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

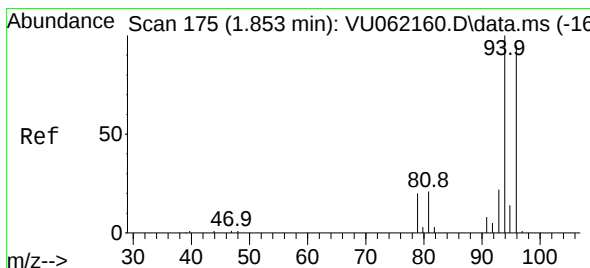
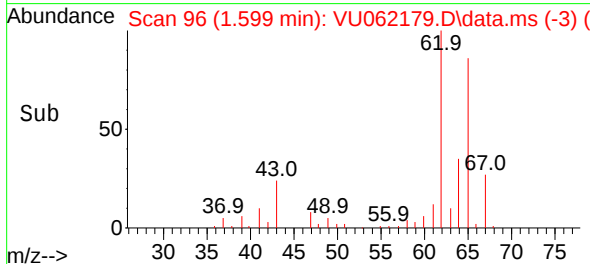
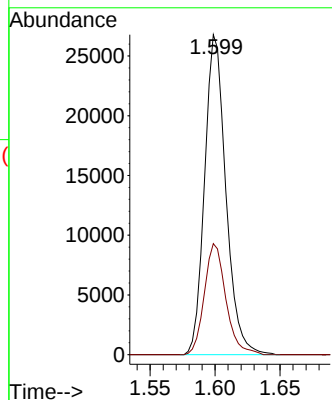
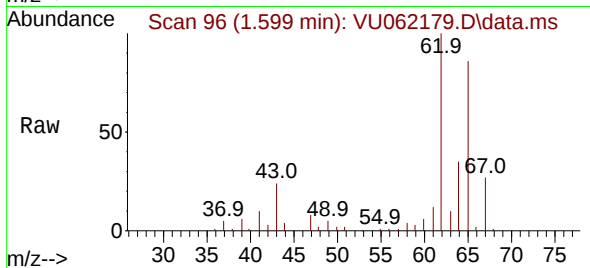
E1PKOMS

Tgt Ion: 62 Resp: 30499

Ion Ratio Lower Upper

62 100

64 34.7 23.1 42.9



#6

Bromomethane

Concen: 3.558 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU062179.D

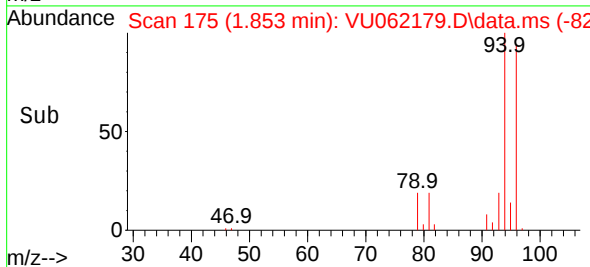
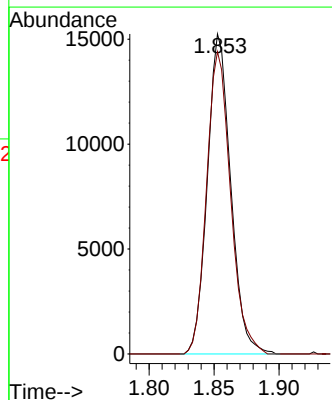
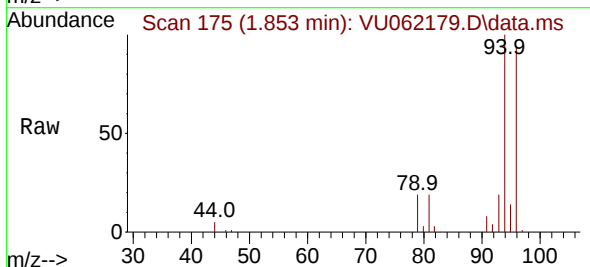
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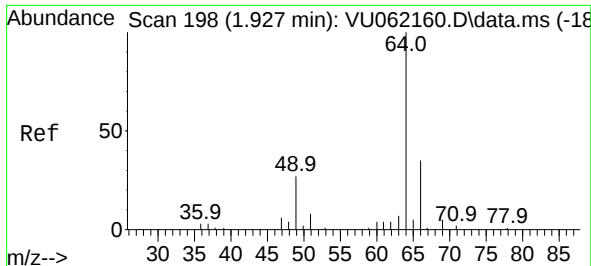
Tgt Ion: 94 Resp: 19122

Ion Ratio Lower Upper

94 100

96 94.5 64.5 119.9

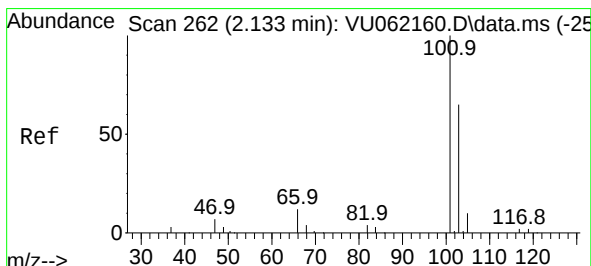
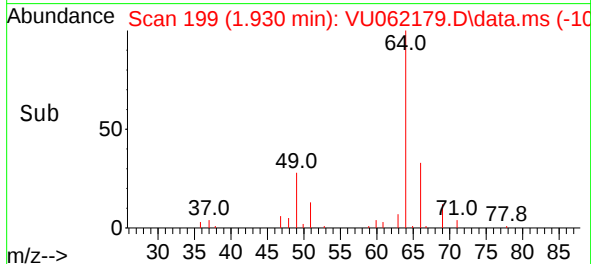
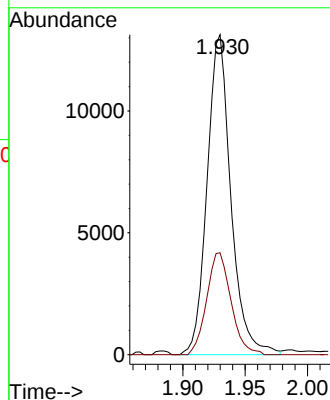
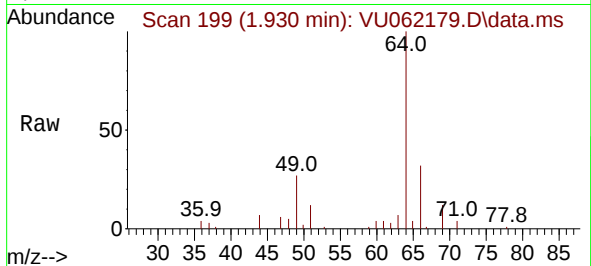




#8
Chloroethane
Concen: 3.869 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

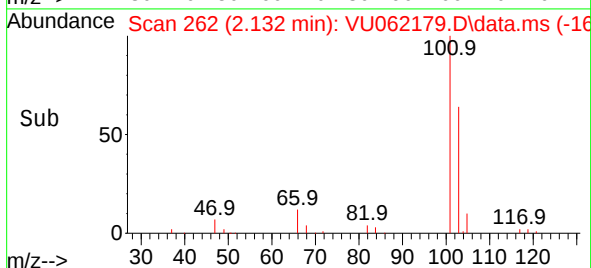
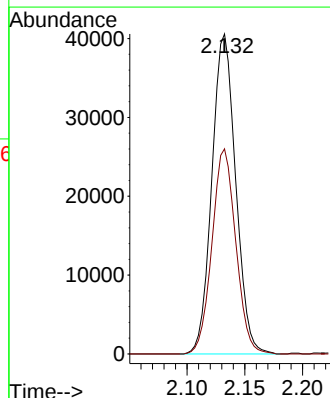
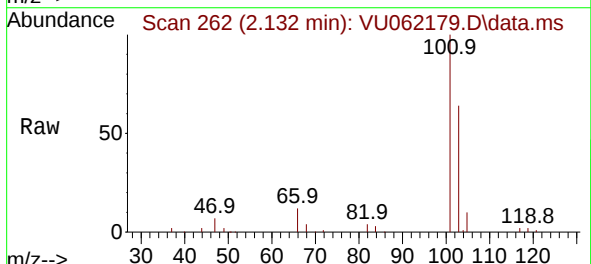
Instrument :
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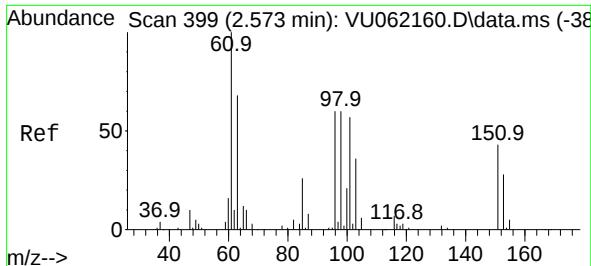
Tgt Ion: 64 Resp: 17471
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.154 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:101 Resp: 58129
Ion Ratio Lower Upper
101 100
103 64.2 50.6 75.8

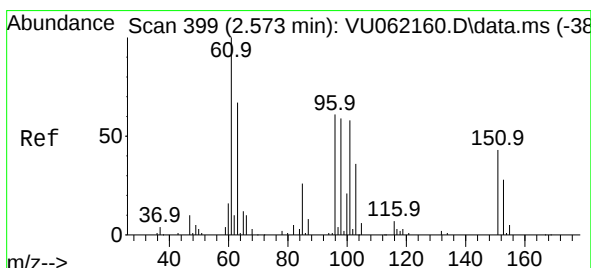
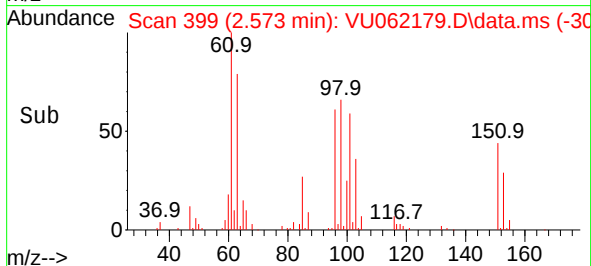
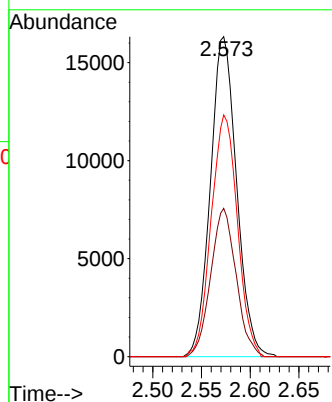
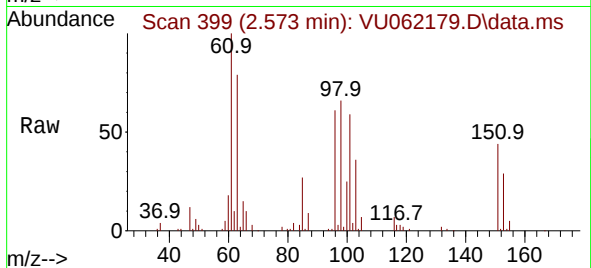




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.015 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062179.D
 Acq: 09 Dec 2024 23:55

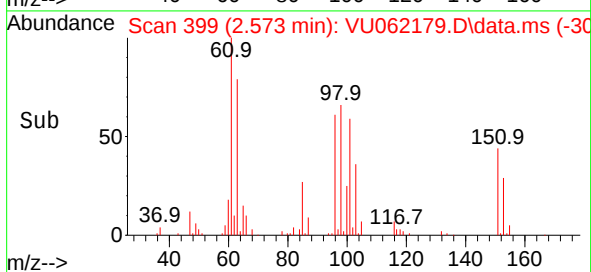
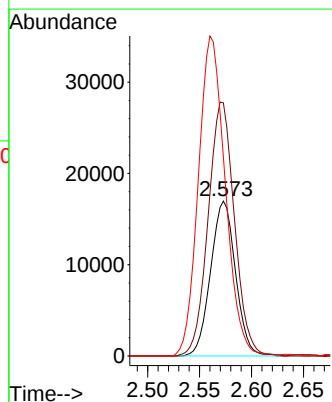
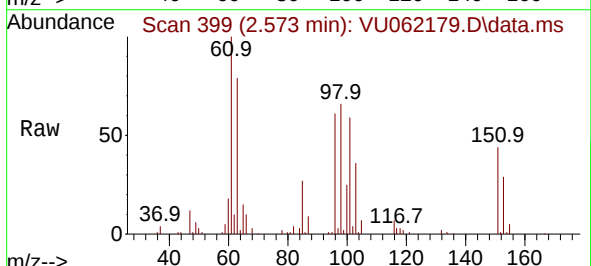
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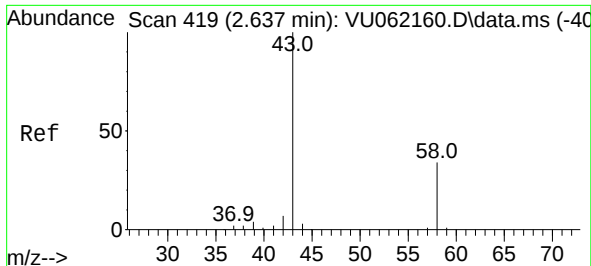
Tgt Ion:101 Resp: 30586
 Ion Ratio Lower Upper
 101 100
 85 44.9 38.0 57.0
 151 75.4 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 3.970 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062179.D
 Acq: 09 Dec 2024 23:55

Tgt Ion: 96 Resp: 28269
 Ion Ratio Lower Upper
 96 100
 61 163.3 119.6 222.2
 63 128.4 65.0 120.6#





#13

Acetone

Concen: 51.561 ug/L

RT: 2.640 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

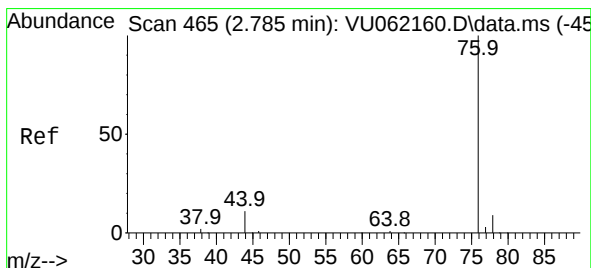
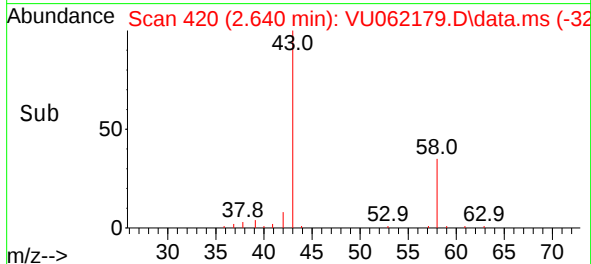
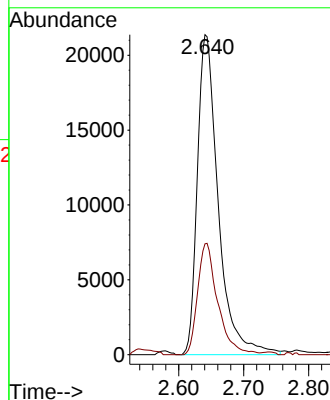
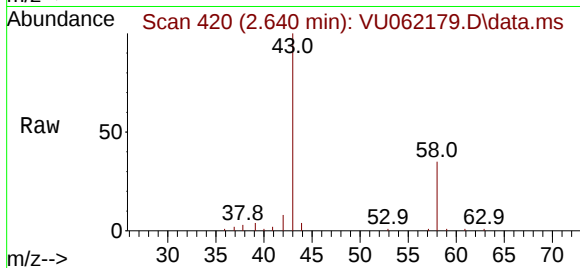
E1PKOMS

Tgt Ion: 43 Resp: 47863

Ion Ratio Lower Upper

43 100

58 33.4 0.0 64.0



#14

Carbon disulfide

Concen: 3.179 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062179.D

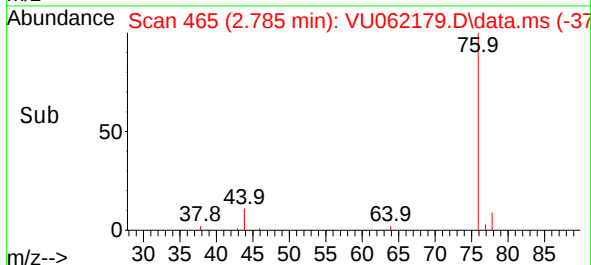
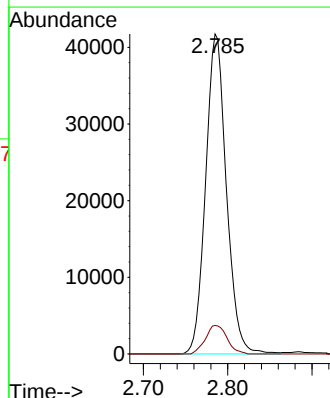
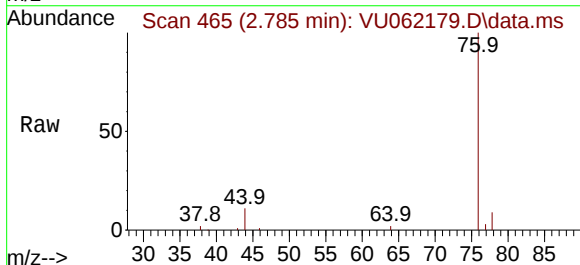
Acq: 09 Dec 2024 23:55

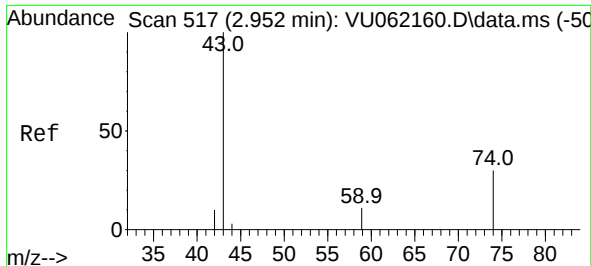
Tgt Ion: 76 Resp: 71586

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 1.012 ug/L

RT: 2.955 min Scan# 517

Delta R.T. 0.003 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

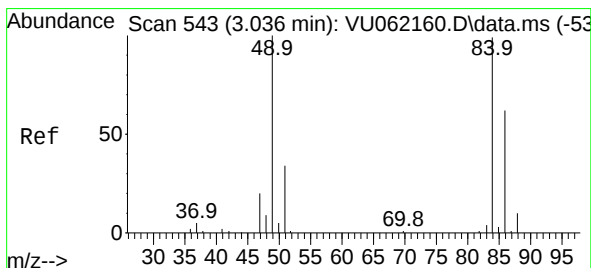
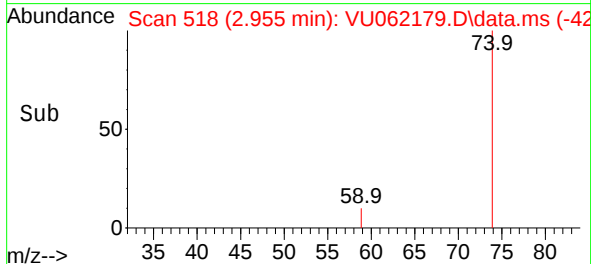
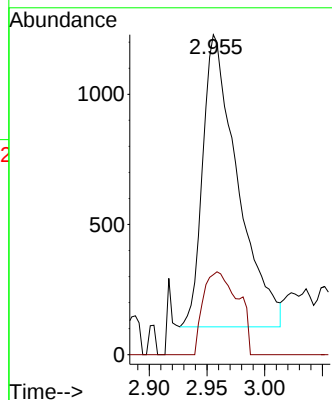
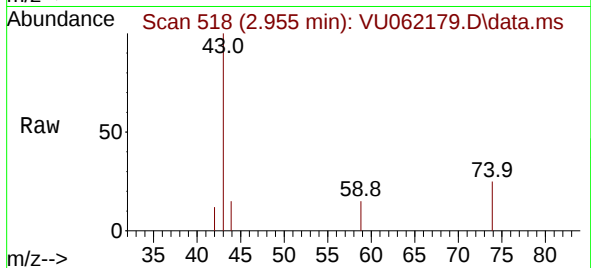
E1PKOMS

Tgt Ion: 43 Resp: 2354

Ion Ratio Lower Upper

43 100

74 28.1 19.4 29.2



#16

Methylene chloride

Concen: 4.176 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

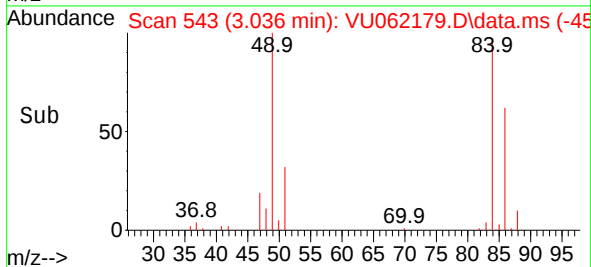
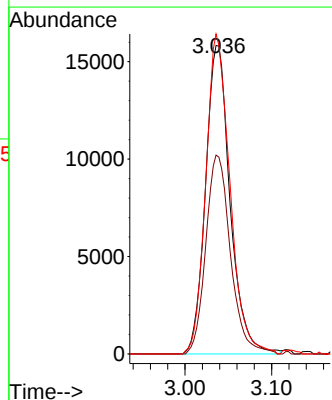
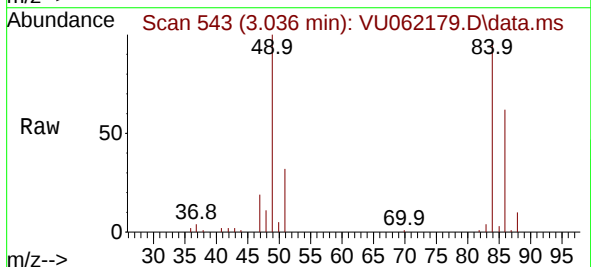
Tgt Ion: 84 Resp: 31216

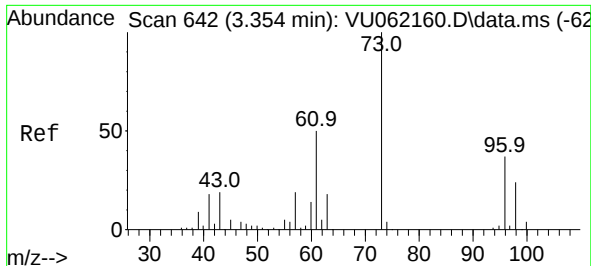
Ion Ratio Lower Upper

84 100

86 64.4 43.5 80.7

49 103.7 81.9 152.1

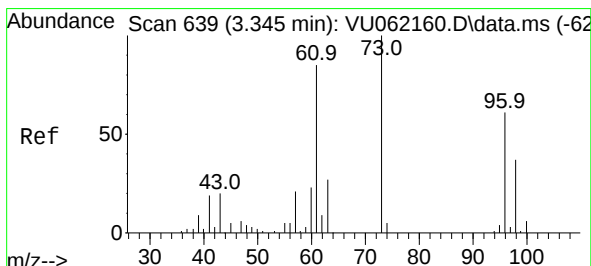
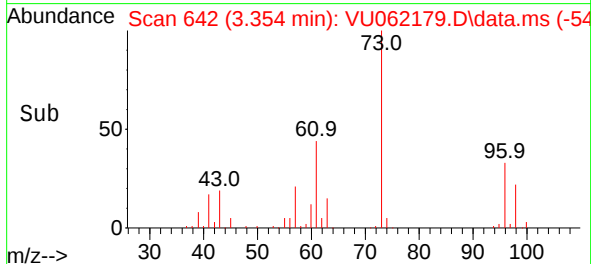
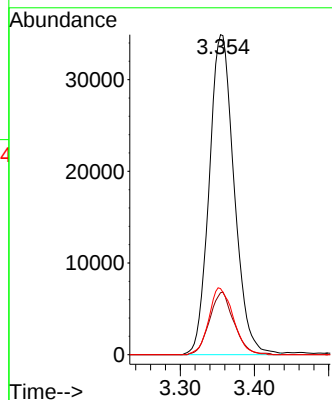
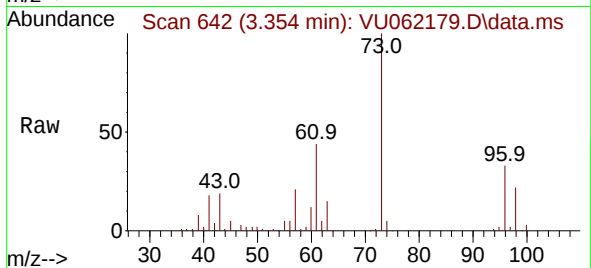




#17
Methyl tert-butyl Ether
Concen: 4.586 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

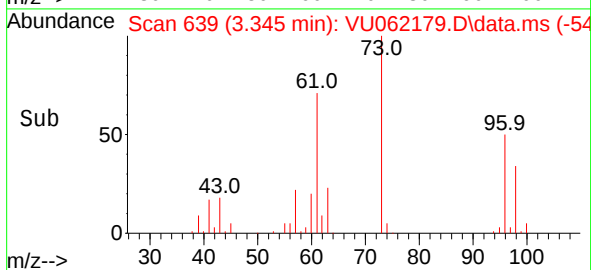
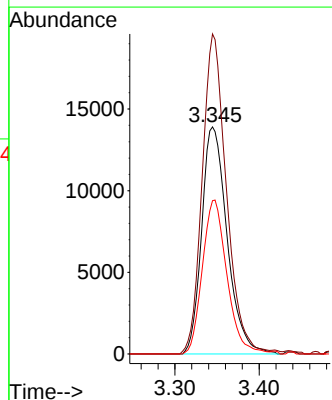
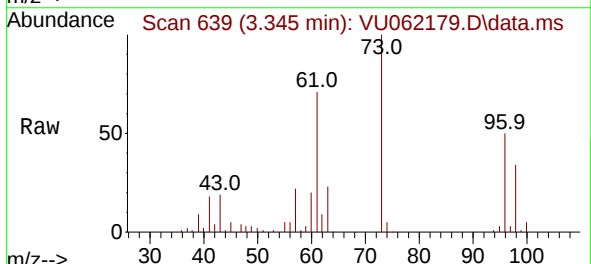
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

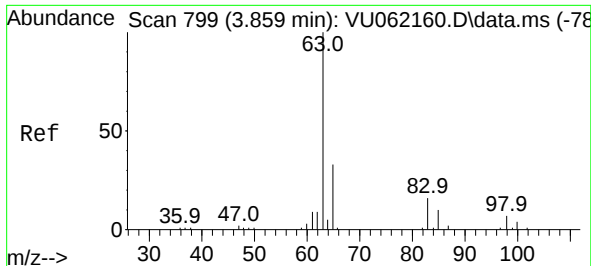
Tgt Ion: 73	Resp: 81356
Ion Ratio	Lower Upper
73 100	
43 19.1	16.3 24.5
57 20.5	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.000 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 96	Resp: 29268
Ion Ratio	Lower Upper
96 100	
61 140.9	104.2 193.4
98 67.5	45.7 84.9

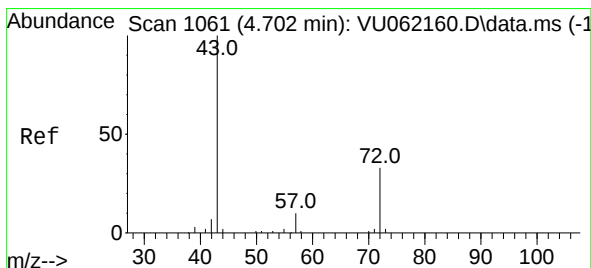
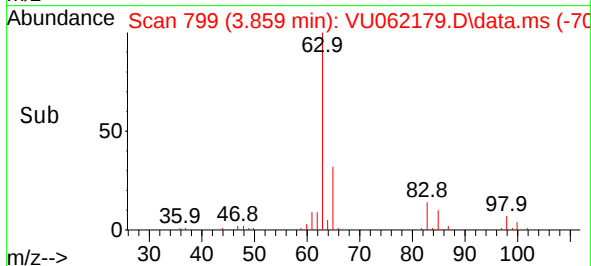
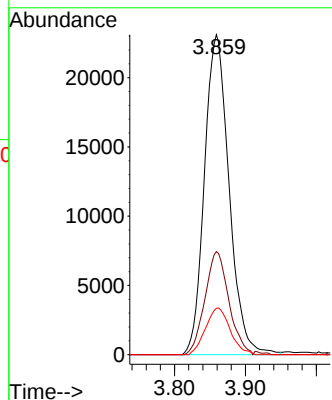
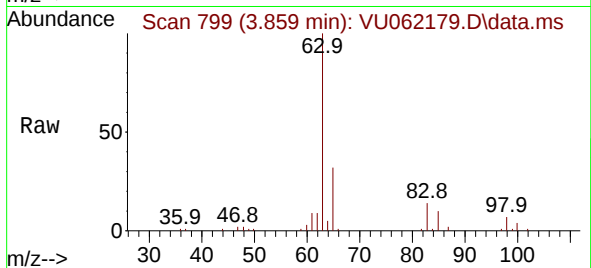




#19
1,1-Dichloroethane
Concen: 4.160 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

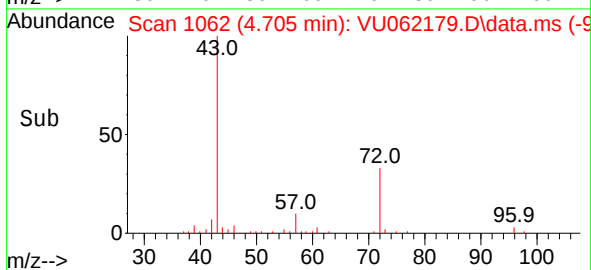
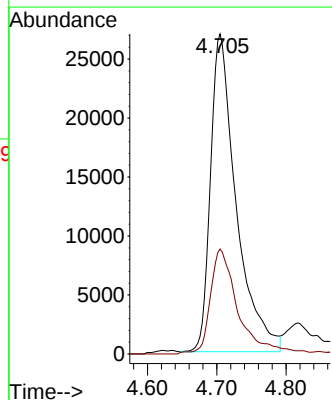
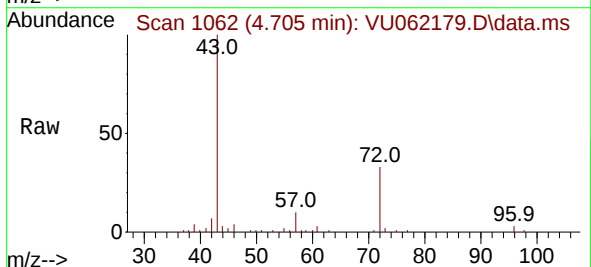
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

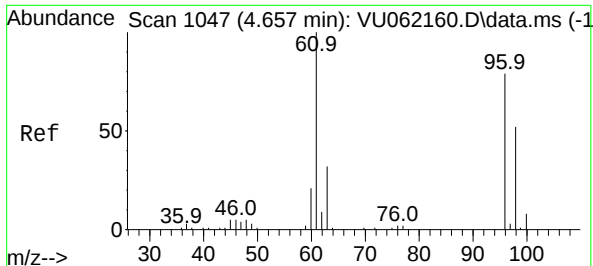
Tgt Ion: 63 Resp: 55793
Ion Ratio Lower Upper
63 100
65 32.2 22.7 42.3
83 14.5 9.9 18.3



#21
2-Butanone
Concen: 51.429 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 43 Resp: 69331
Ion Ratio Lower Upper
43 100
72 35.7 14.8 44.4

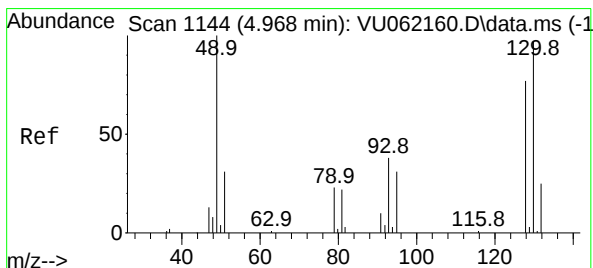
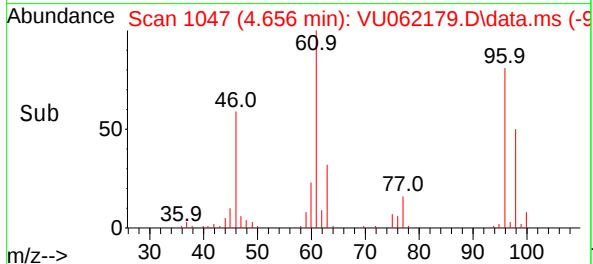
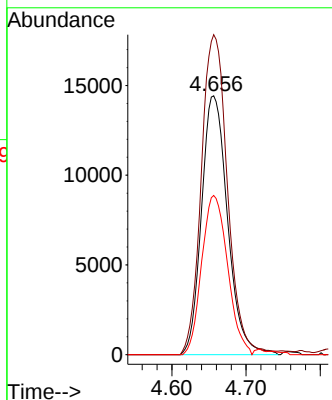
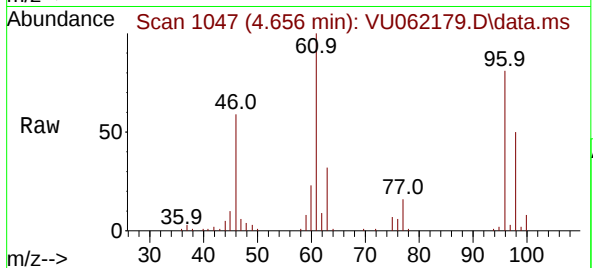




#22
cis-1,2-Dichloroethene
Concen: 4.293 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

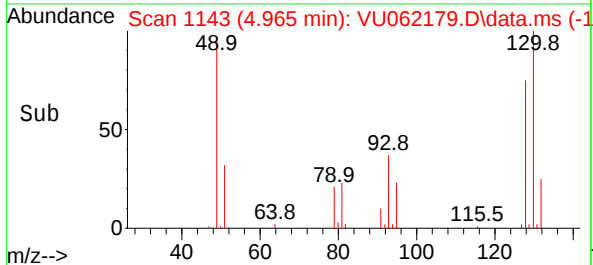
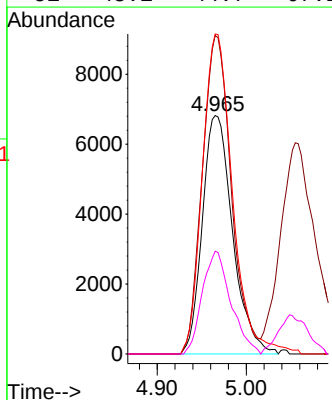
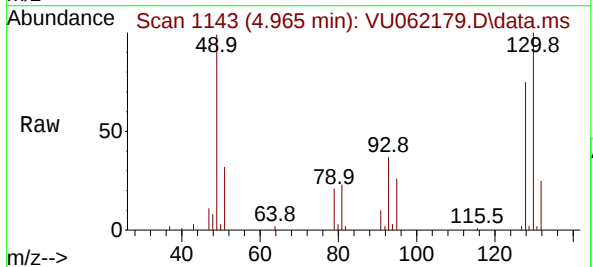
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

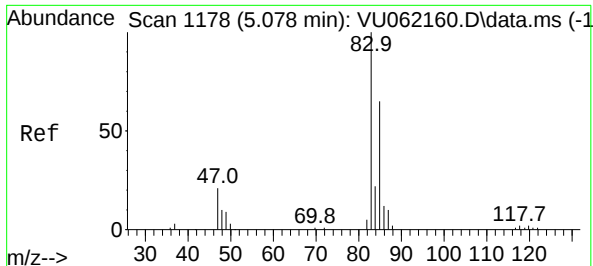
Tgt Ion: 96 Resp: 35205
Ion Ratio Lower Upper
96 100
61 123.6 92.0 170.8
98 61.5 44.5 82.7



#23
Bromochloromethane
Concen: 4.474 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:128 Resp: 16084
Ion Ratio Lower Upper
128 100
49 133.5 115.3 214.1
130 134.2 92.0 170.8
51 43.1 44.7 67.1#





#25

Chloroform

Concen: 4.406 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

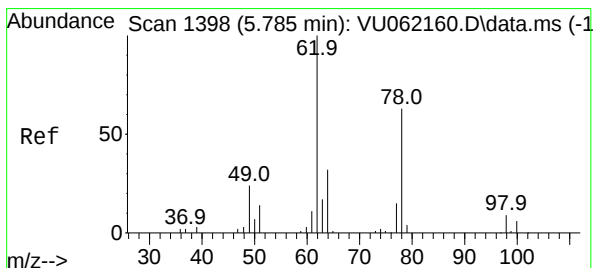
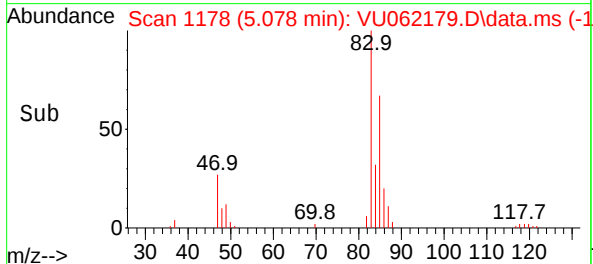
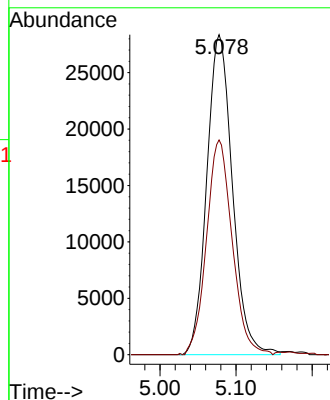
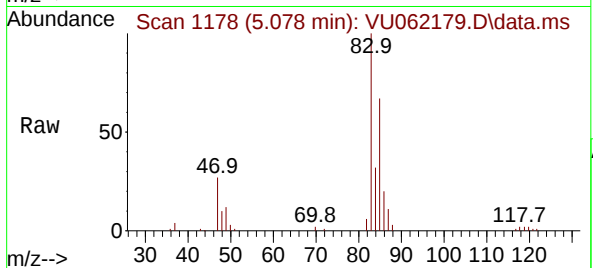
E1PKOMS

Tgt Ion: 83 Resp: 66551

Ion Ratio Lower Upper

83 100

85 67.1 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.370 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU062179.D

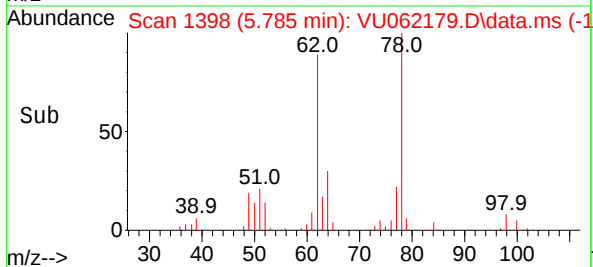
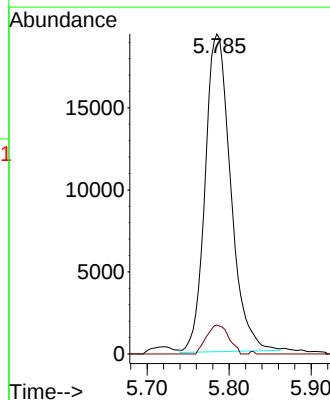
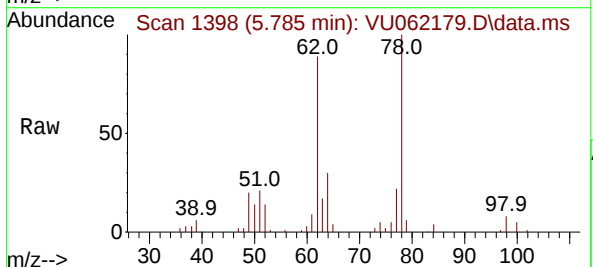
Acq: 09 Dec 2024 23:55

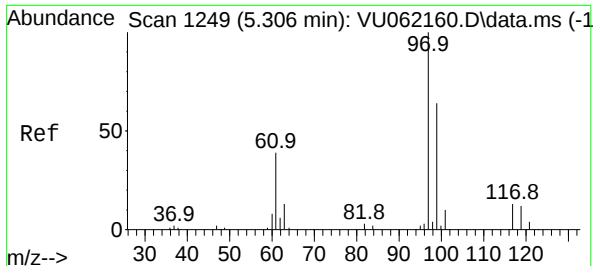
Tgt Ion: 62 Resp: 41947

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0



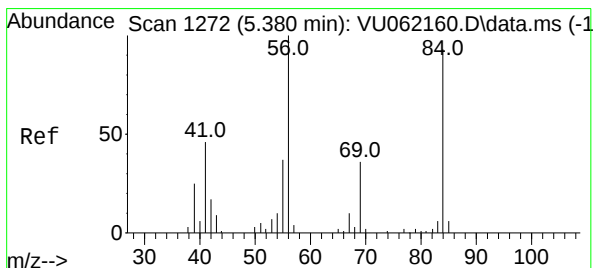
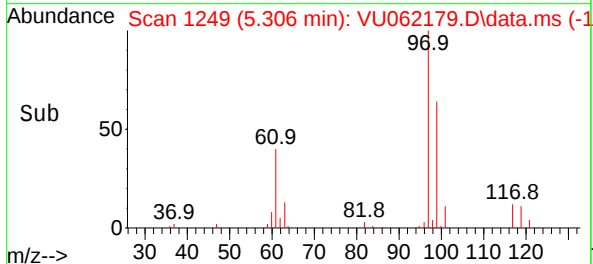
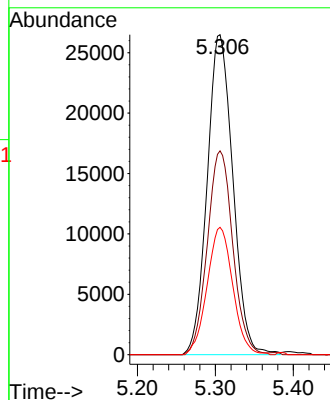
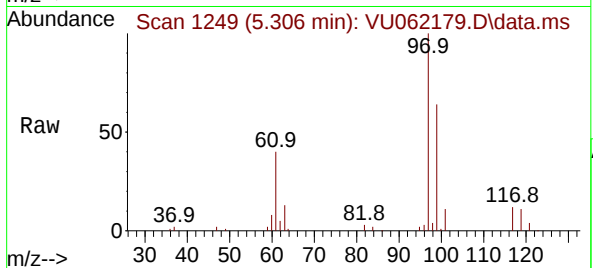


#29
1,1,1-Trichloroethane
Concen: 4.397 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

Tgt Ion: 97 Resp: 60872

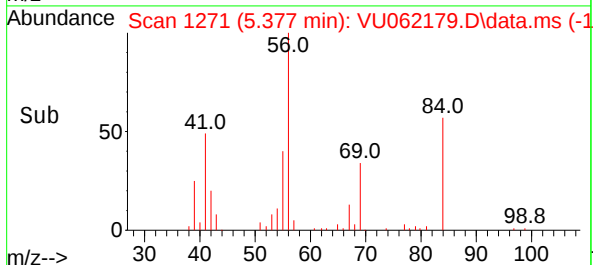
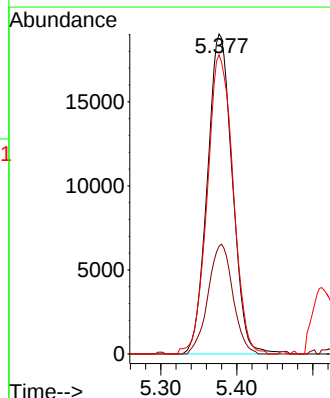
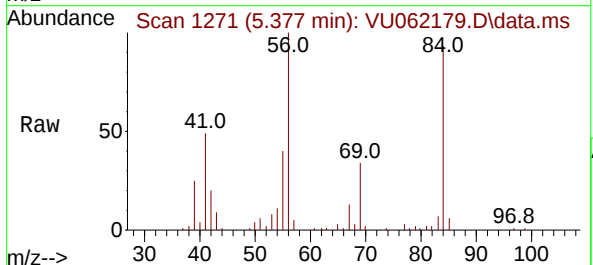
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	39.6	37.8	56.6

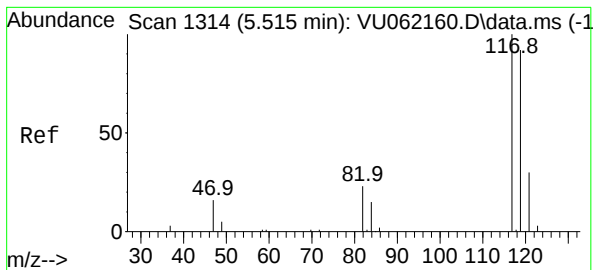


#30
Cyclohexane
Concen: 3.869 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 56 Resp: 43429

Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.1	37.7
84	96.7	70.6	105.8

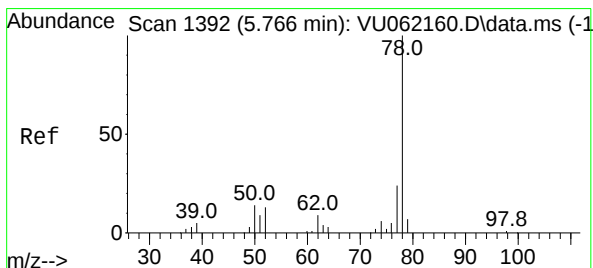
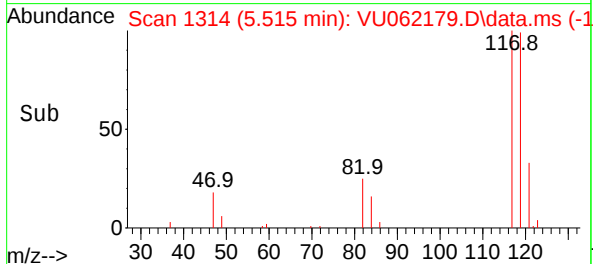
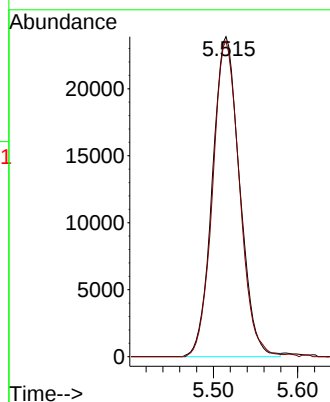
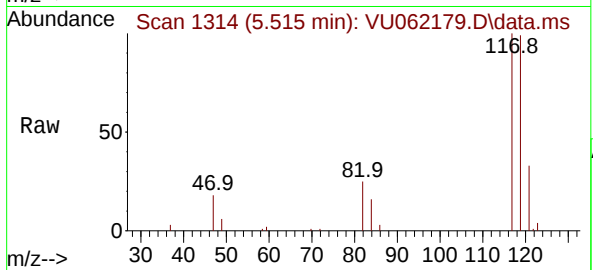




#31
Carbon tetrachloride
Concen: 4.222 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

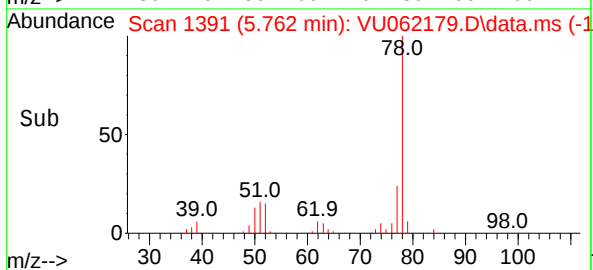
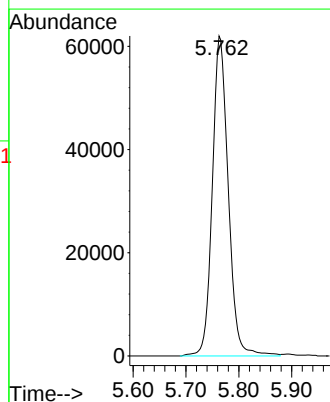
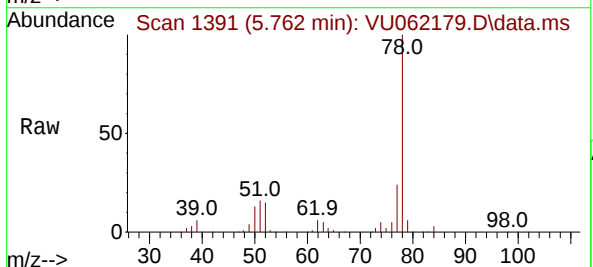
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

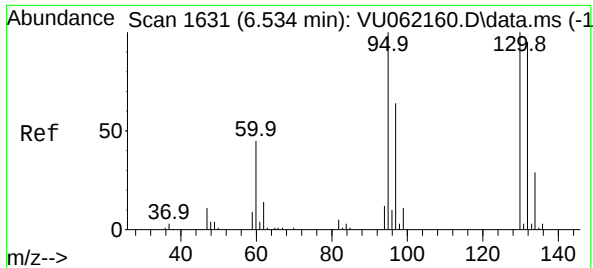
Tgt Ion:117 Resp: 53594
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3



#33
Benzene
Concen: 4.260 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 78 Resp: 129915



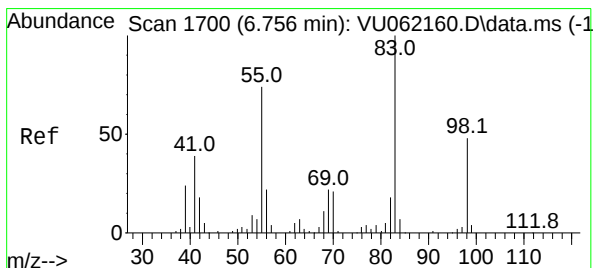
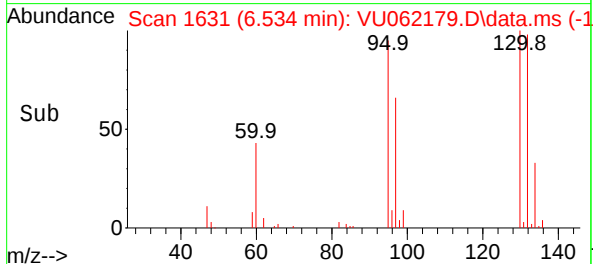
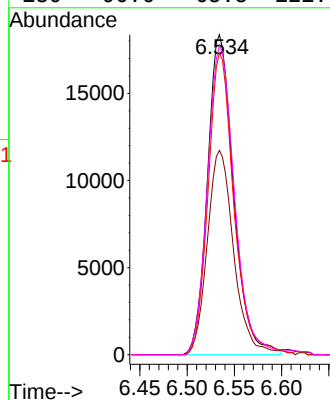
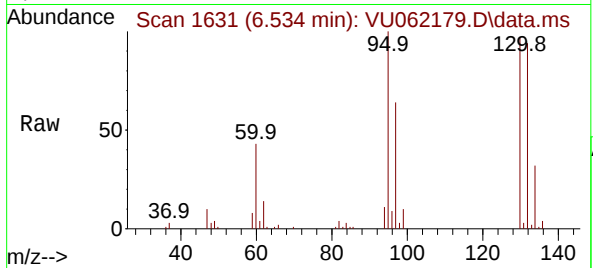


#34
Trichloroethene
Concen: 4.090 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

Tgt Ion: 95 Resp: 35333

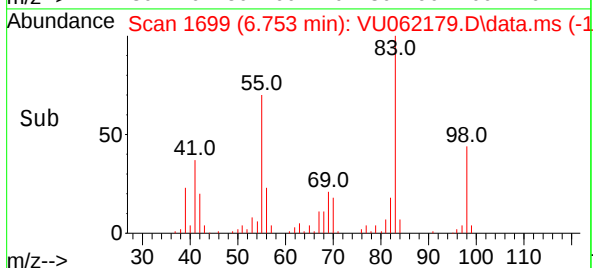
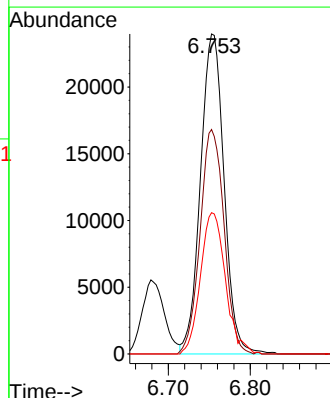
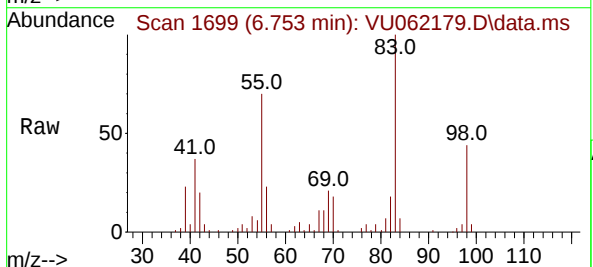
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.9	85.3
132	94.3	63.8	118.4
130	96.6	65.5	121.7

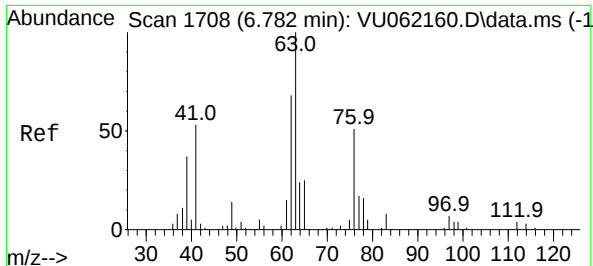


#35
Methylcyclohexane
Concen: 3.744 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 83 Resp: 47952

Ion	Ratio	Lower	Upper
83	100		
55	71.1	60.7	91.1
98	46.7	34.8	52.2

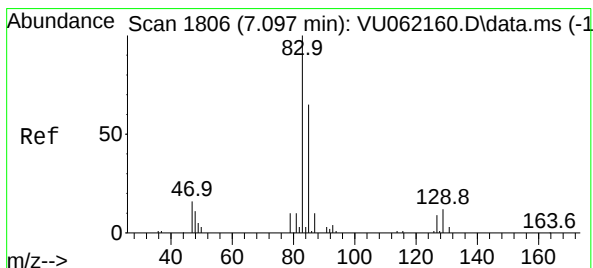
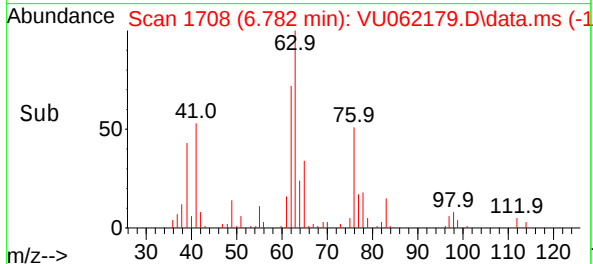
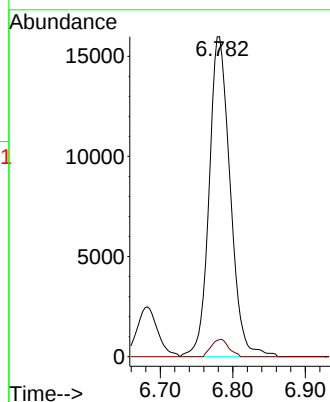
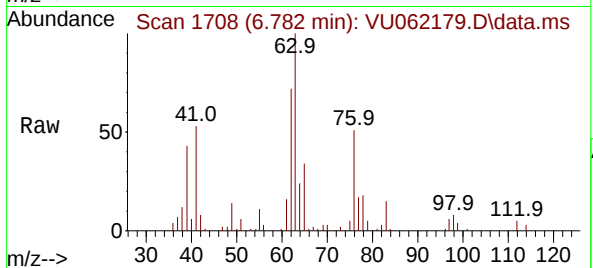




#37
1,2-Dichloropropane
Concen: 4.348 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

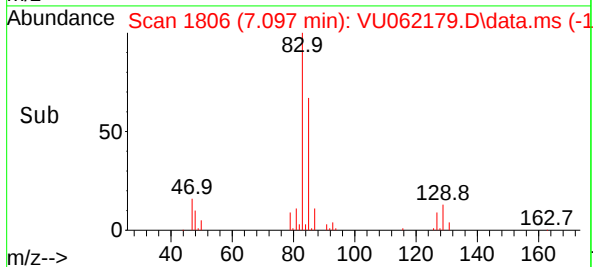
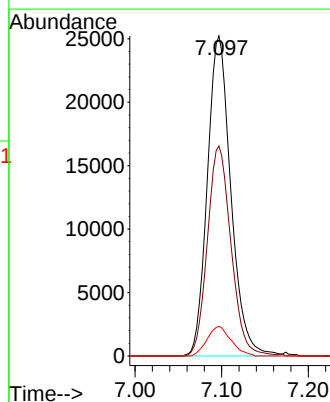
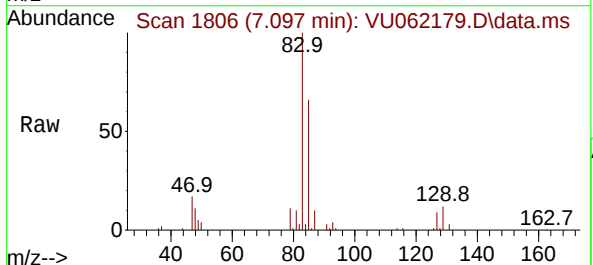
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

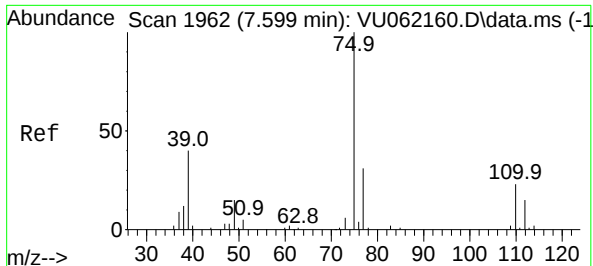
Tgt Ion: 63 Resp: 32287
Ion Ratio Lower Upper
63 100
112 4.5 3.4 5.0



#38
Bromodichloromethane
Concen: 4.549 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 83 Resp: 47665
Ion Ratio Lower Upper
83 100
85 65.6 44.1 81.9
127 9.2 6.9 10.3

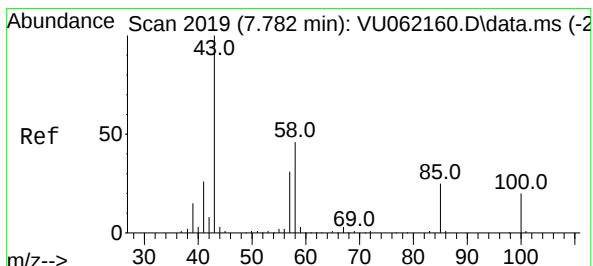
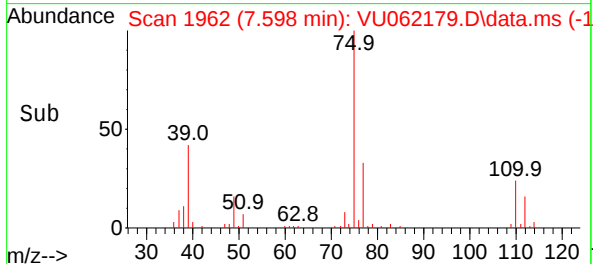
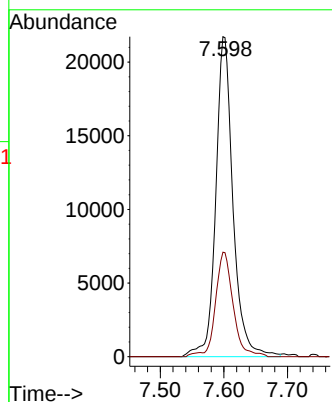
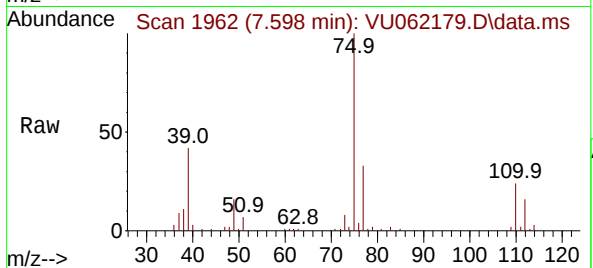




#39
cis-1,3-Dichloropropene
Concen: 3.433 ug/L
RT: 7.598 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

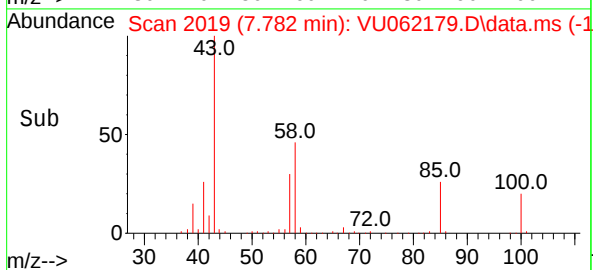
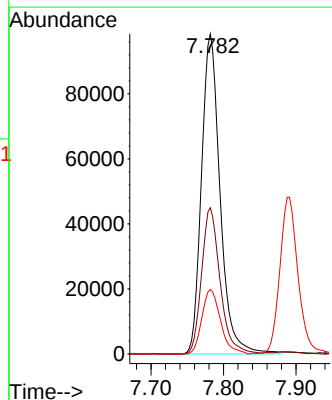
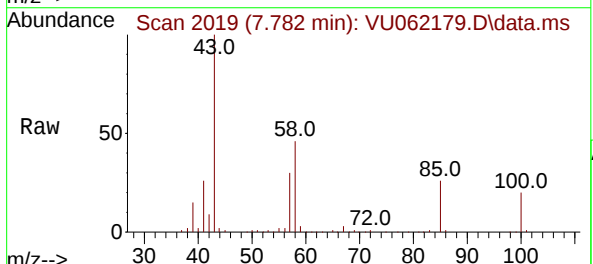
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

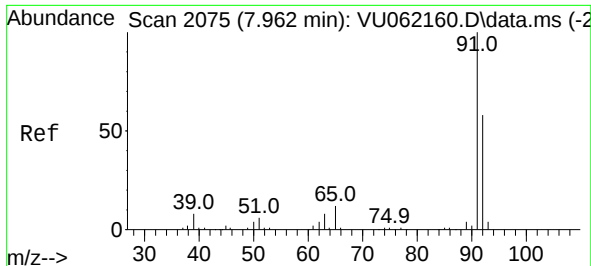
Tgt Ion: 75 Resp: 40868
Ion Ratio Lower Upper
75 100
77 32.6 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 50.382 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion: 43 Resp: 175355
Ion Ratio Lower Upper
43 100
58 45.4 33.3 49.9
100 20.1 12.4 18.6#





#42

Toluene

Concen: 4.521 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

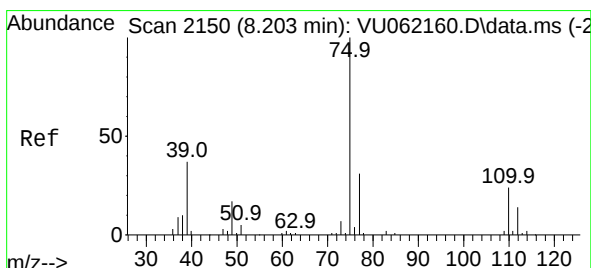
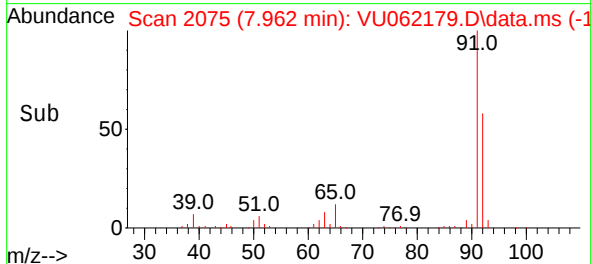
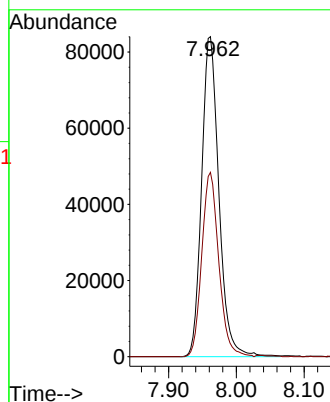
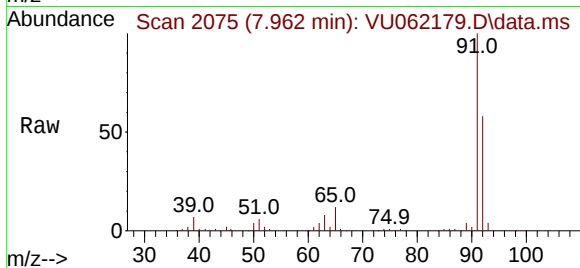
E1PKOMS

Tgt Ion: 91 Resp: 148679

Ion Ratio Lower Upper

91 100

92 57.6 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 3.650 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062179.D

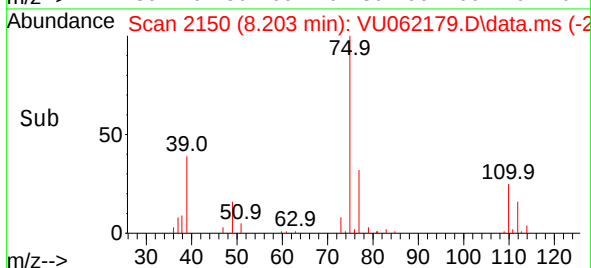
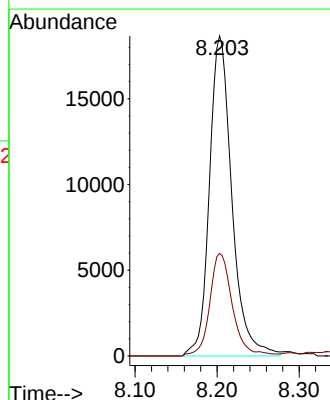
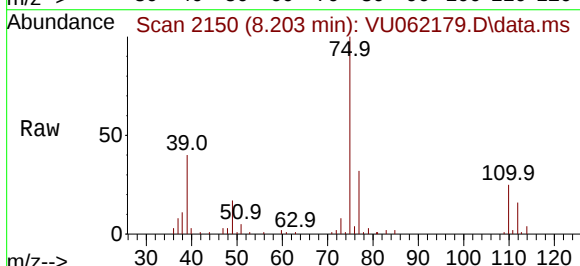
Acq: 09 Dec 2024 23:55

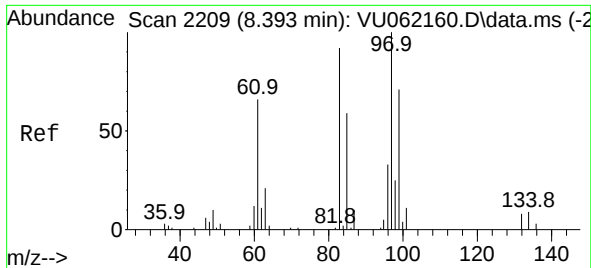
Tgt Ion: 75 Resp: 35475

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4

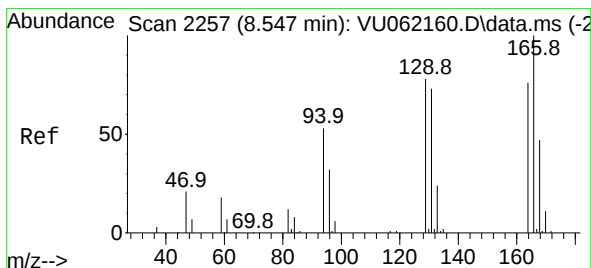
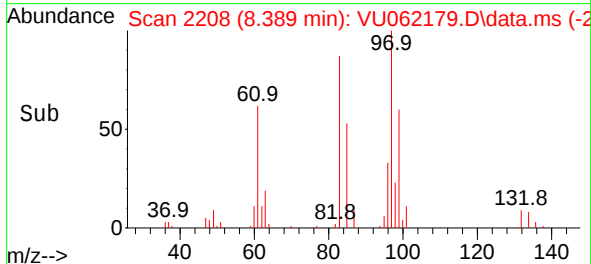
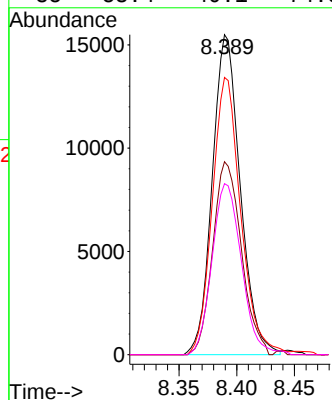
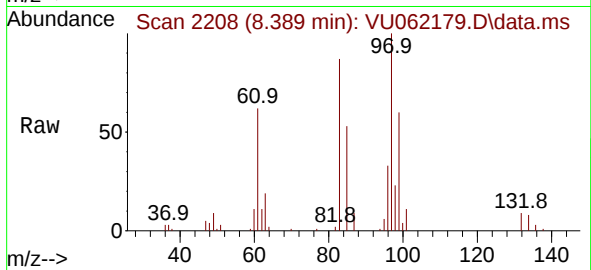




#45
1,1,2-Trichloroethane
Concen: 4.665 ug/L
RT: 8.389 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

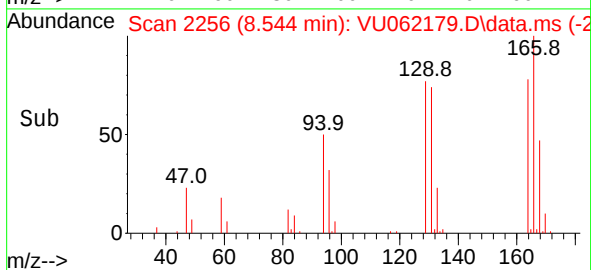
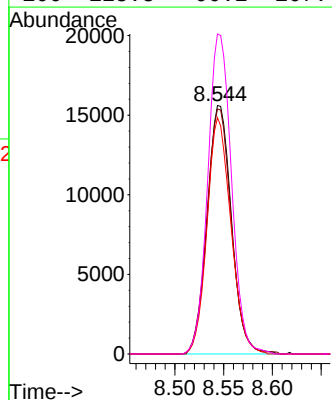
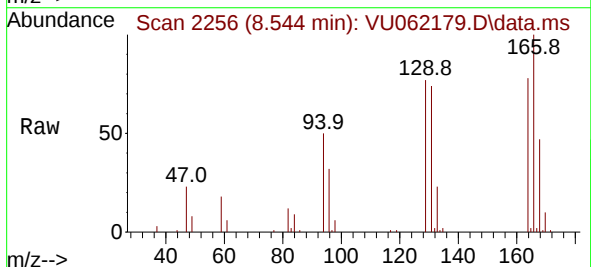
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

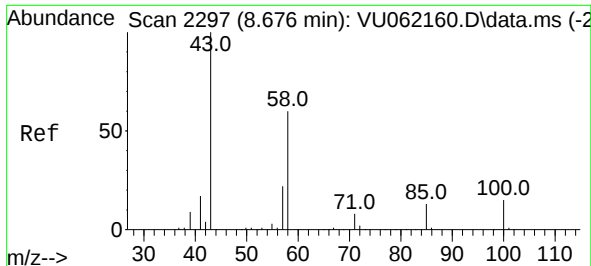
Tgt Ion:	97	Resp:	26153
Ion	Ratio	Lower	Upper
97	100		
99	60.3	43.0	79.8
83	86.7	61.7	114.5
85	53.4	40.1	74.5



#47
Tetrachloroethene
Concen: 4.060 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:	164	Resp:	27078
Ion	Ratio	Lower	Upper
164	100		
129	98.6	73.2	136.0
131	95.0	72.3	134.3
166	128.8	90.2	167.4





#48

2-Hexanone

Concen: 52.307 ug/L

RT: 8.675 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

E1PKOMS

Tgt Ion: 43 Resp: 134544

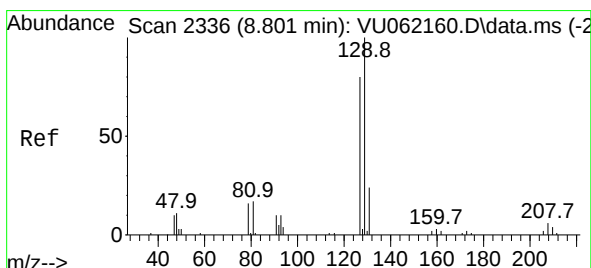
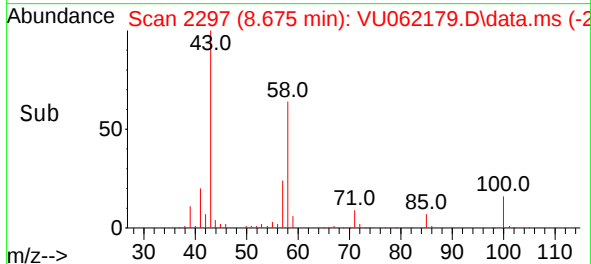
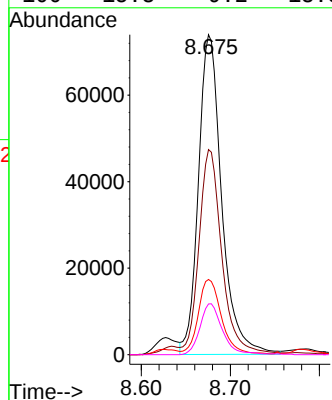
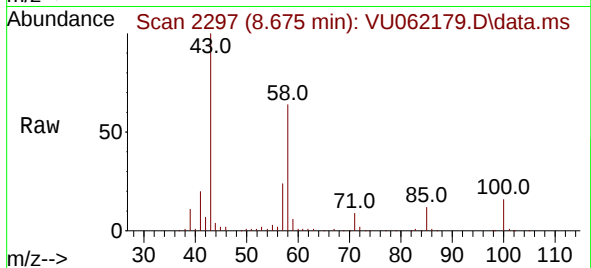
Ion Ratio Lower Upper

43 100

58 61.8 47.5 71.3

57 23.7 15.6 23.4#

100 15.3 9.2 13.8#



#49

Dibromochloromethane

Concen: 5.091 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU062179.D

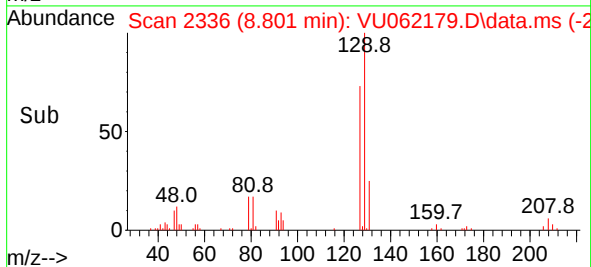
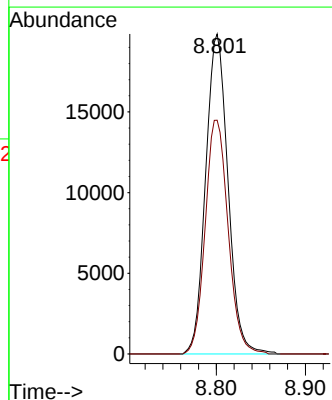
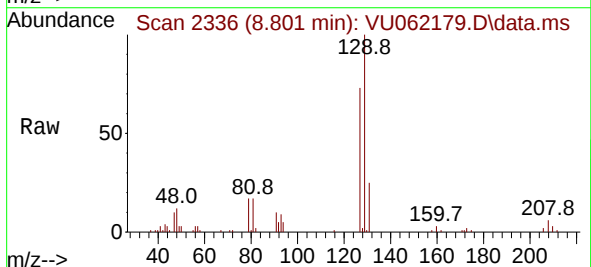
Acq: 09 Dec 2024 23:55

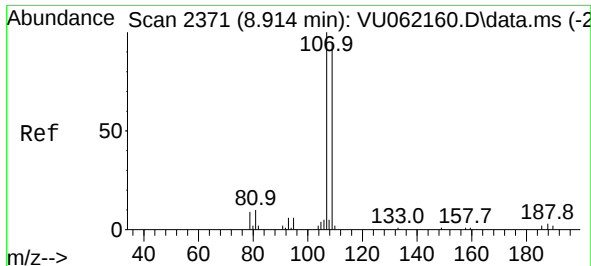
Tgt Ion: 129 Resp: 34485

Ion Ratio Lower Upper

129 100

127 73.1 51.1 94.9

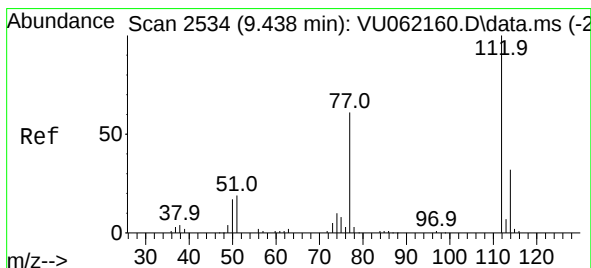
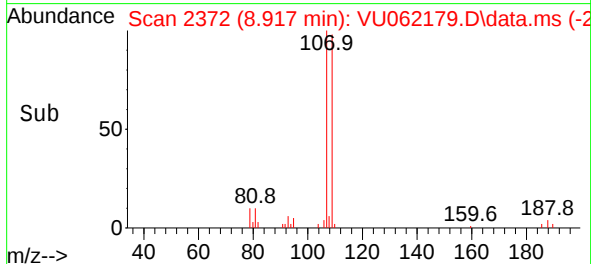
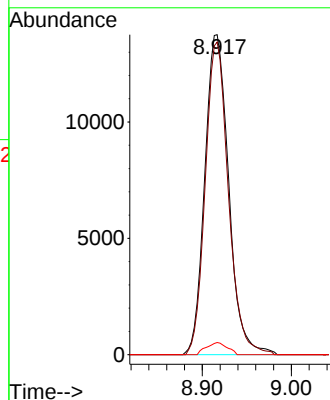
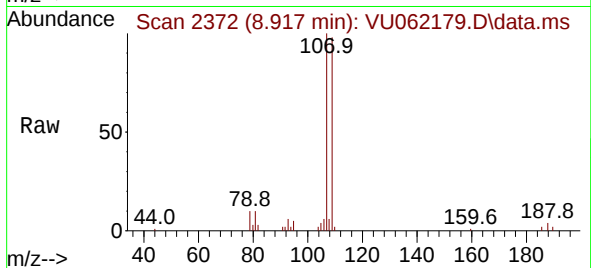




#50
1,2-Dibromoethane
Concen: 4.760 ug/L
RT: 8.917 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

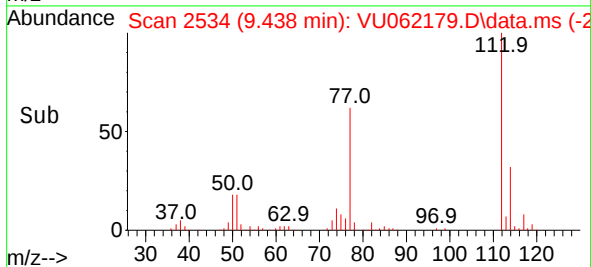
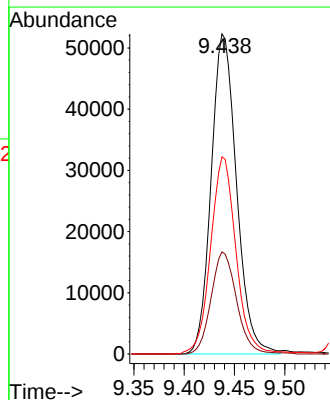
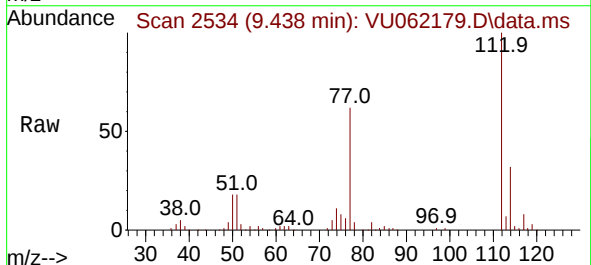
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

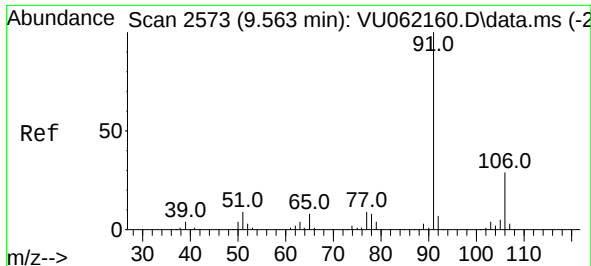
Tgt Ion:107 Resp: 25641
Ion Ratio Lower Upper
107 100
109 97.7 66.8 124.2
188 3.8 2.3 3.5#



#51
Chlorobenzene
Concen: 4.356 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:112 Resp: 91790
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 61.6 50.5 75.7





#52

Ethylbenzene

Concen: 4.289 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

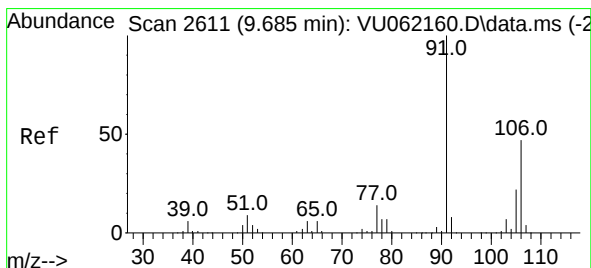
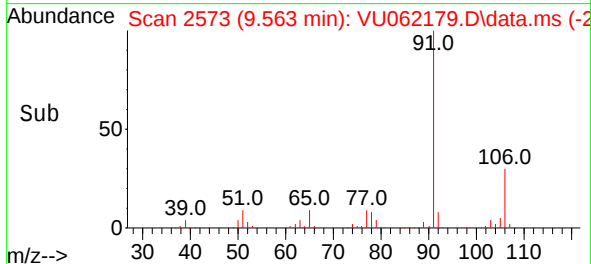
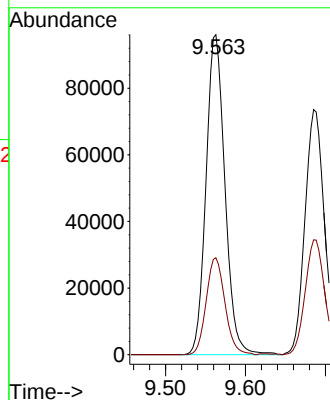
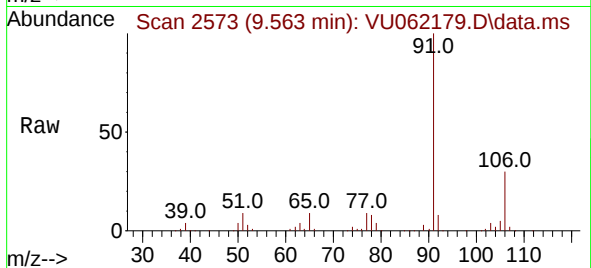
E1PKOMS

Tgt Ion: 91 Resp: 158130

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



#53

m,p-Xylene

Concen: 4.413 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU062179.D

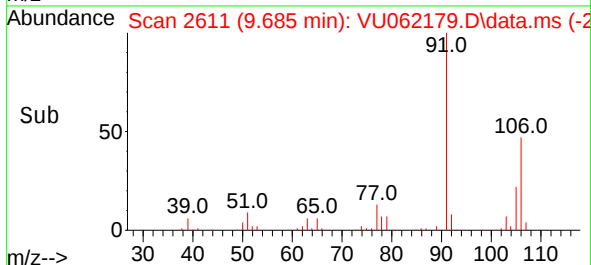
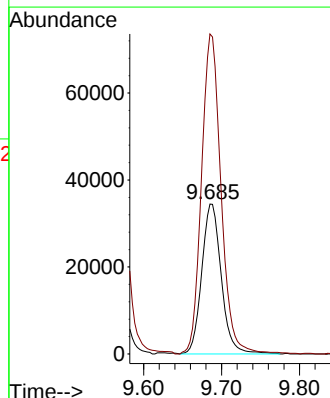
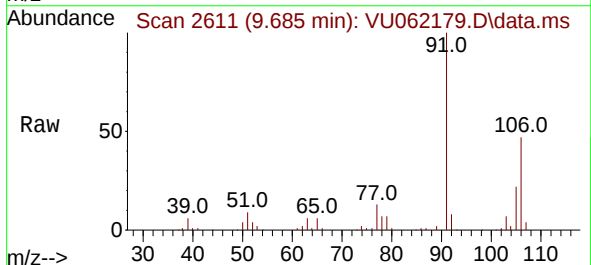
Acq: 09 Dec 2024 23:55

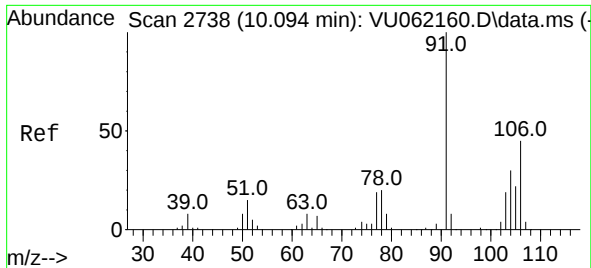
Tgt Ion:106 Resp: 60070

Ion Ratio Lower Upper

106 100

91 213.4 147.6 274.0

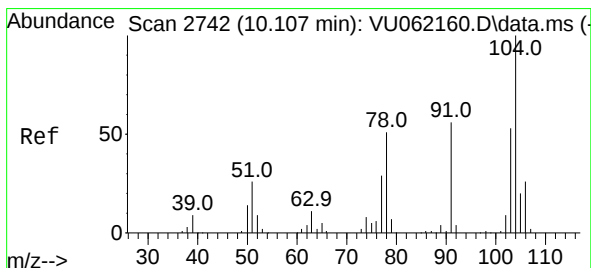
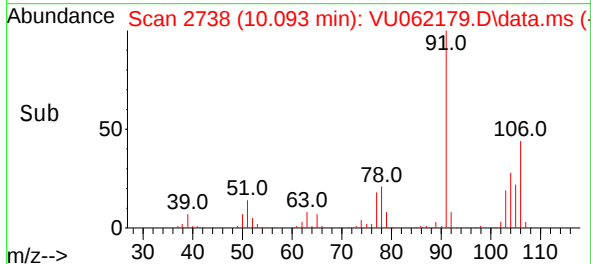
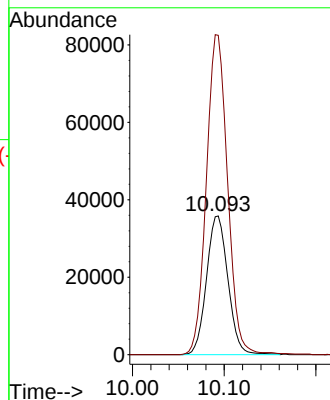
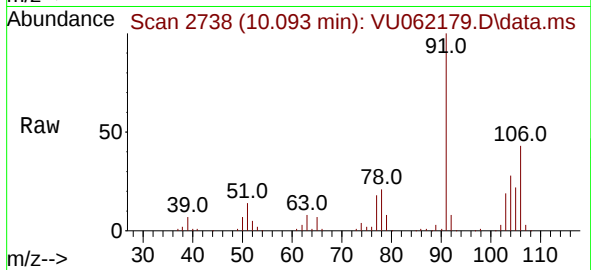




#54
o-Xylene
Concen: 4.393 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

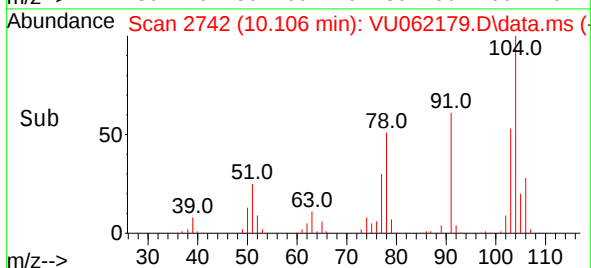
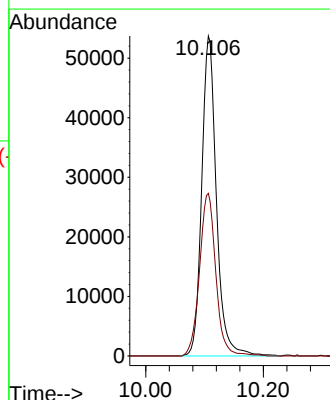
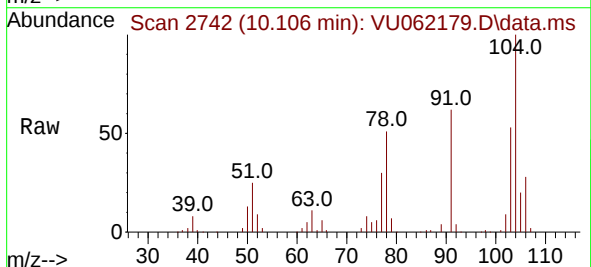
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

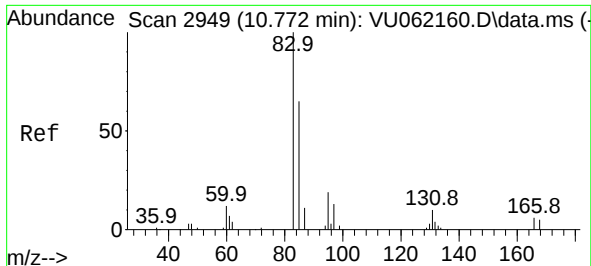
Tgt Ion:106 Resp: 58152
Ion Ratio Lower Upper
106 100
91 230.2 159.8 296.8



#55
Styrene
Concen: 4.263 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:104 Resp: 93038
Ion Ratio Lower Upper
104 100
78 50.8 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.878 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

E1PKOMS

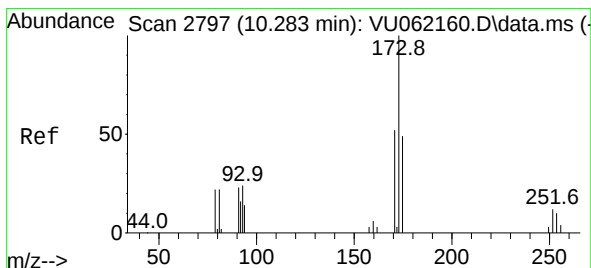
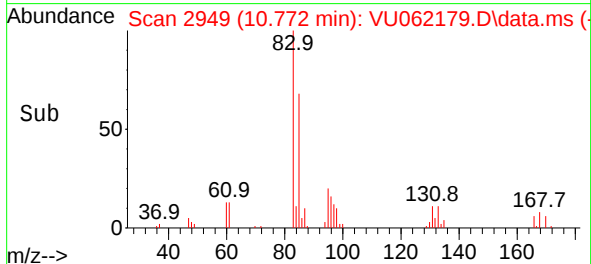
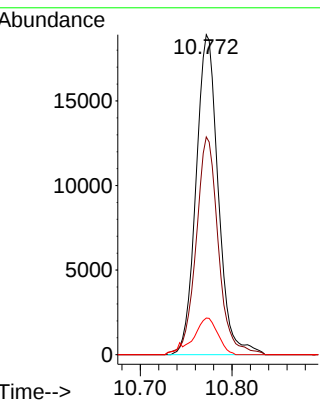
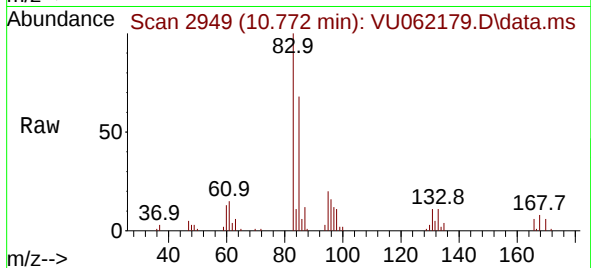
Tgt Ion: 83 Resp: 31824

Ion Ratio Lower Upper

83 100

85 68.1 44.4 82.4

131 11.4 7.3 10.9#



#59

Bromoform

Concen: 5.077 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

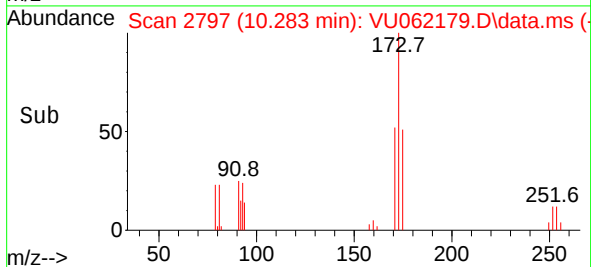
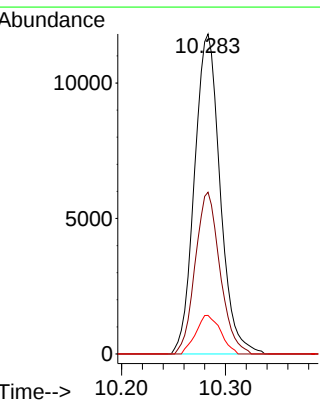
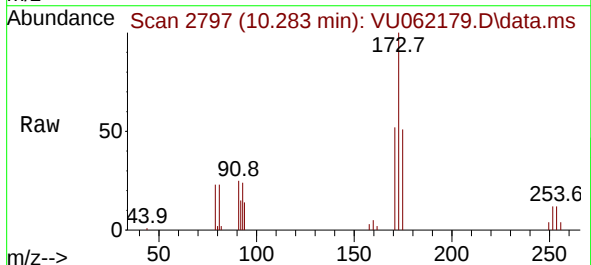
Tgt Ion:173 Resp: 20238

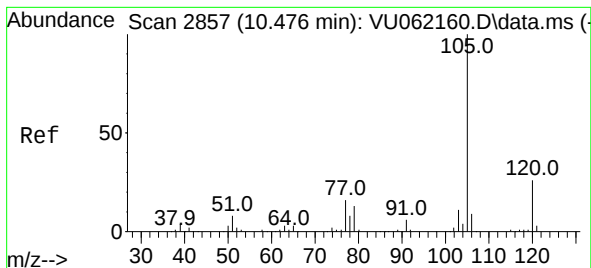
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 11.6 7.4 11.0#





#60

Isopropylbenzene

Concen: 4.336 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

E1PKOMS

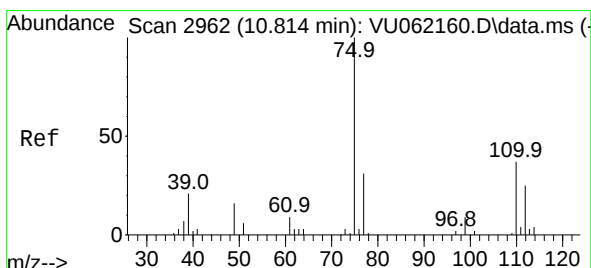
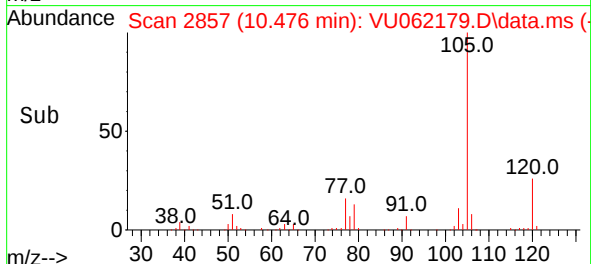
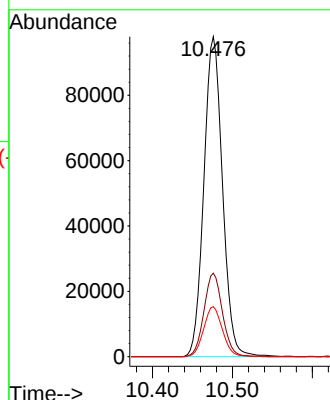
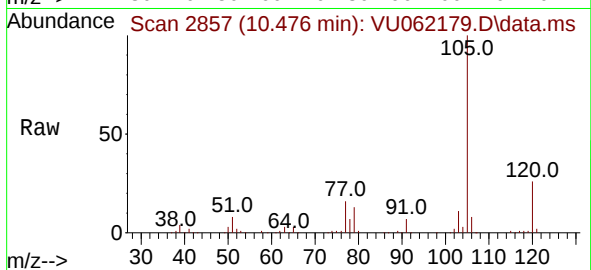
Tgt Ion:105 Resp: 158895

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 15.8 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 4.914 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

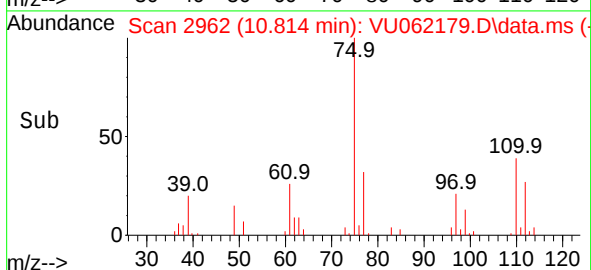
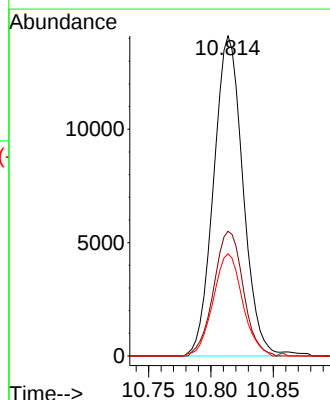
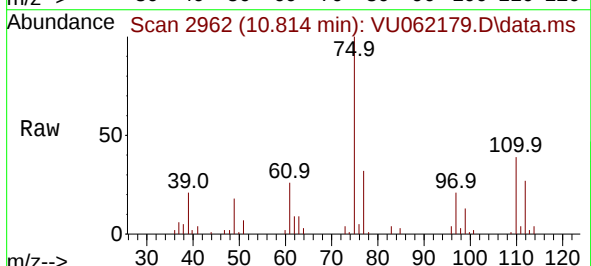
Tgt Ion: 75 Resp: 23050

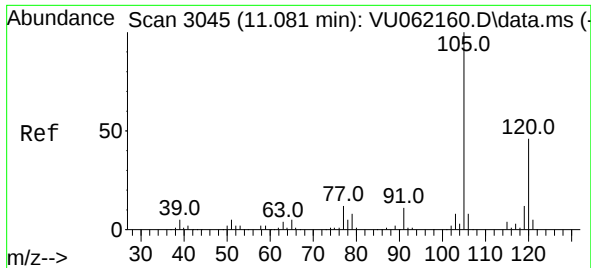
Ion Ratio Lower Upper

75 100

110 39.3 28.9 43.3

77 32.1 26.5 39.7

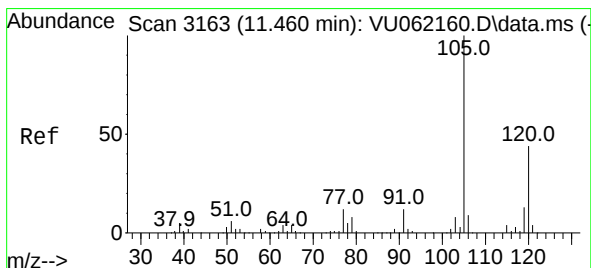
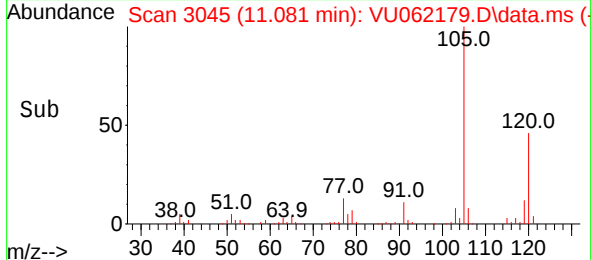
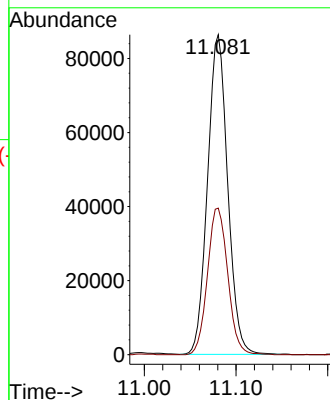
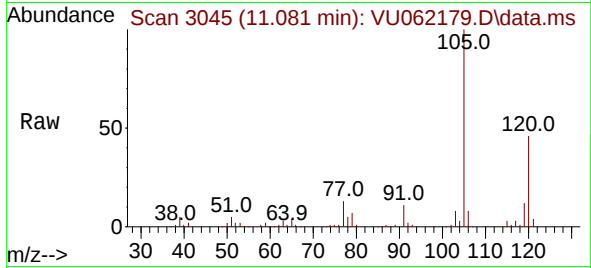




#62
1,3,5-Trimethylbenzene
Concen: 4.242 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

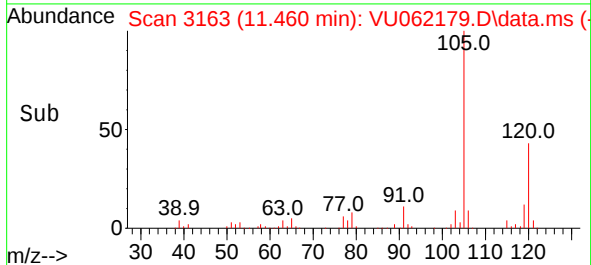
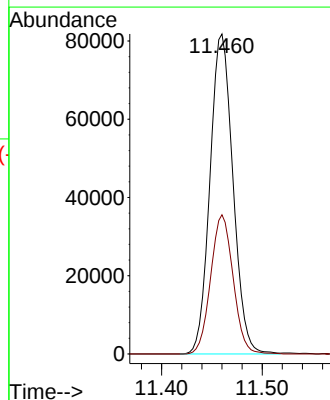
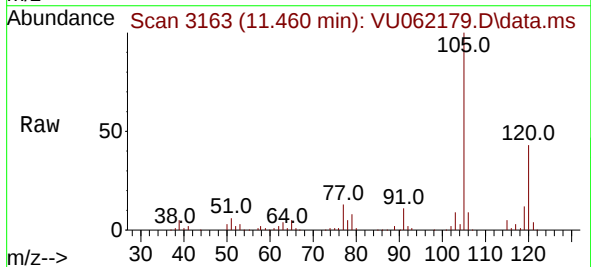
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

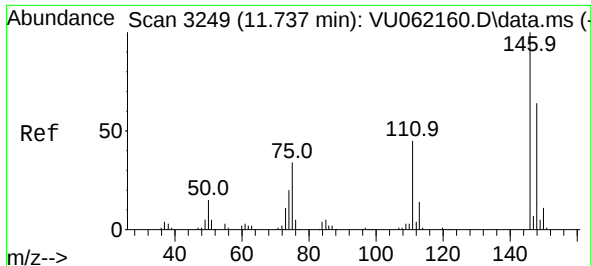
Tgt Ion:105 Resp: 131550
Ion Ratio Lower Upper
105 100
120 46.3 36.7 55.1



#63
1,2,4-Trimethylbenzene
Concen: 4.275 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:105 Resp: 129877
Ion Ratio Lower Upper
105 100
120 42.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.340 ug/L

RT: 11.736 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

E1PKOMS

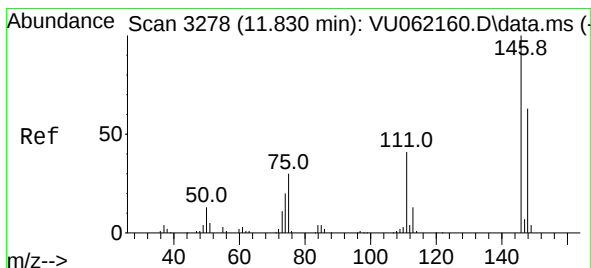
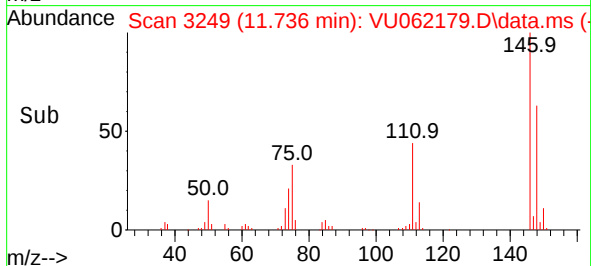
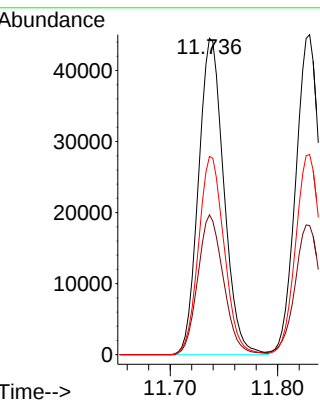
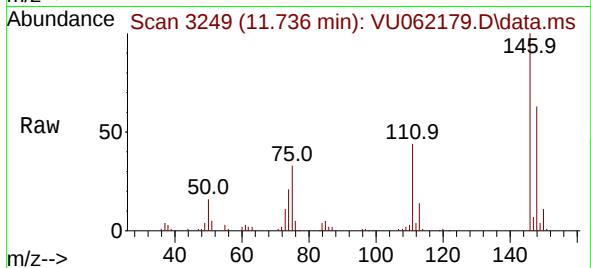
Tgt Ion:146 Resp: 73056

Ion Ratio Lower Upper

146 100

111 44.2 30.7 57.1

148 62.7 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.320 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

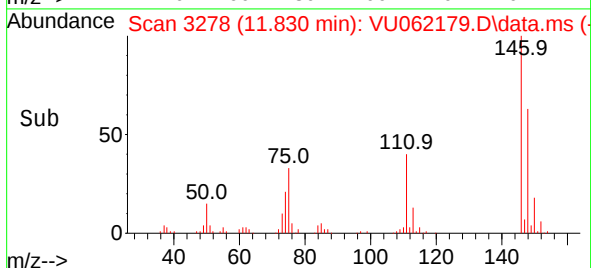
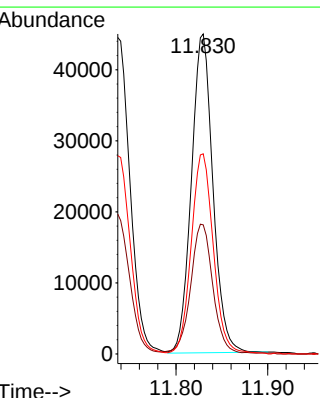
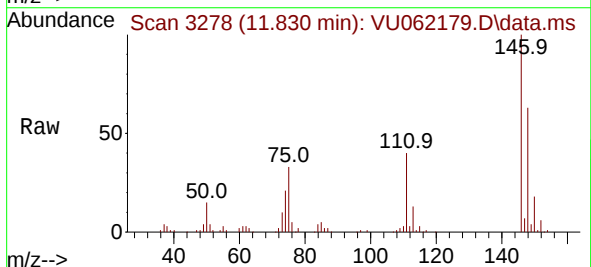
Tgt Ion:146 Resp: 73218

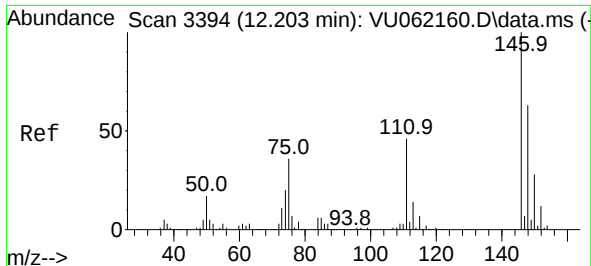
Ion Ratio Lower Upper

146 100

111 40.4 29.3 54.3

148 62.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.575 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

Instrument :

MSVOA_U

ClientSampleId :

E1PKOMS

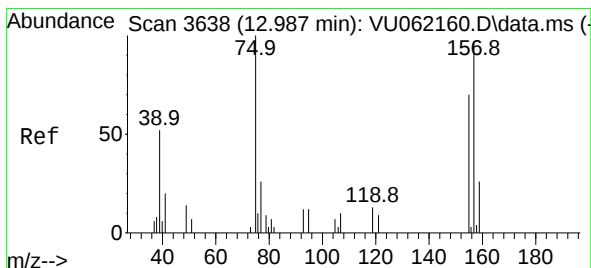
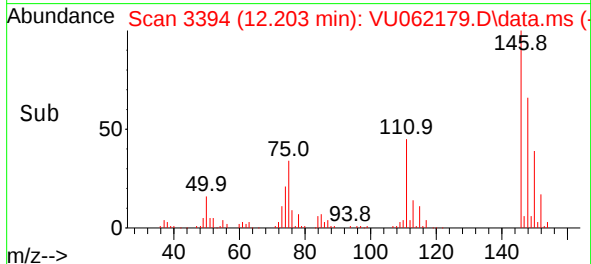
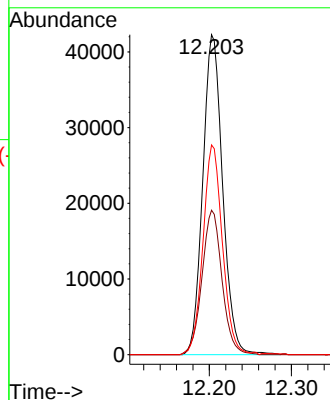
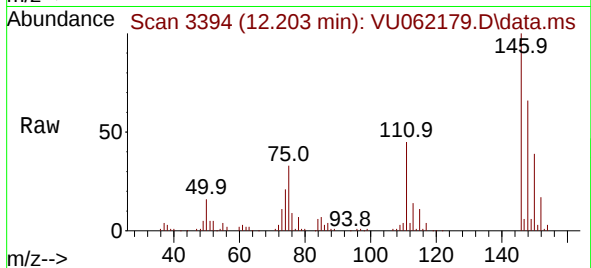
Tgt Ion:146 Resp: 71154

Ion Ratio Lower Upper

146 100

111 45.2 36.0 54.0

148 65.5 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.678 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062179.D

Acq: 09 Dec 2024 23:55

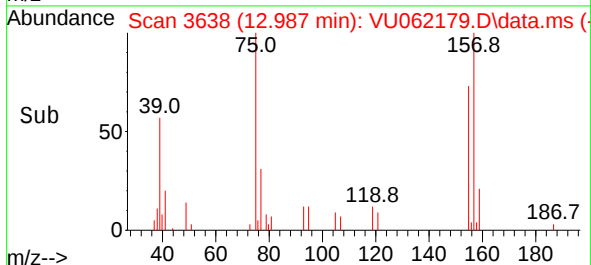
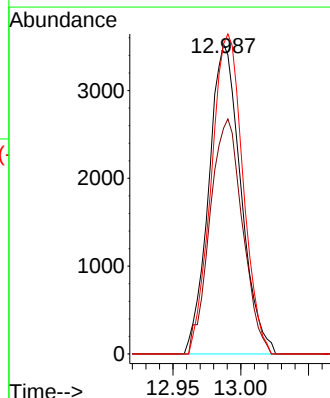
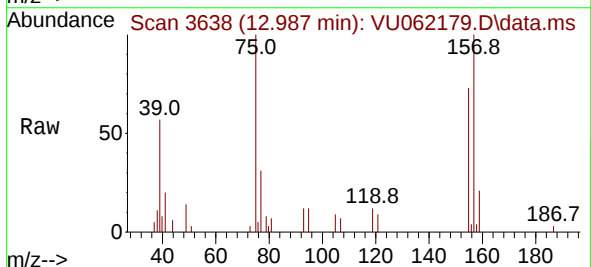
Tgt Ion: 75 Resp: 5809

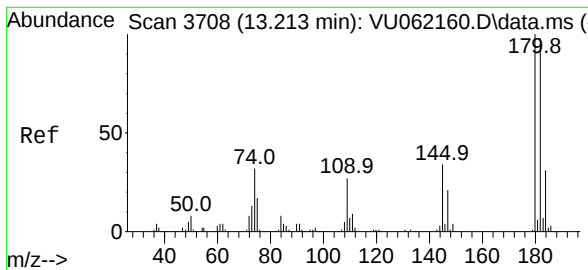
Ion Ratio Lower Upper

75 100

155 72.9 55.2 82.8

157 100.1 73.5 110.3

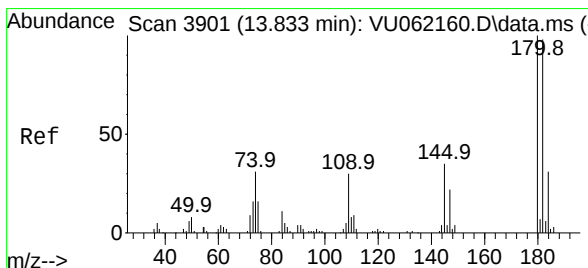
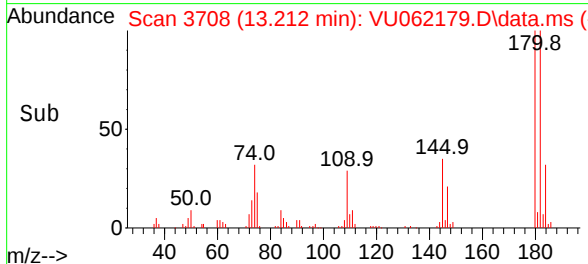
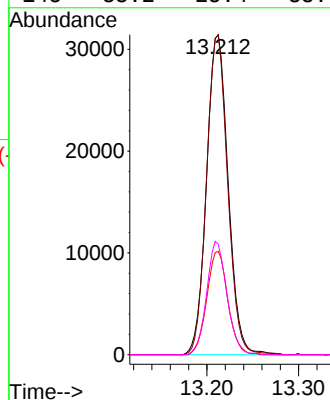
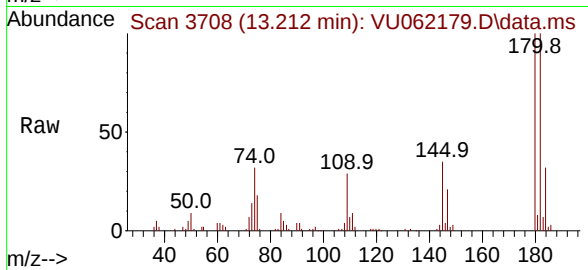




#69
1,3,5-Trichlorobenzene
Concen: 4.117 ug/L
RT: 13.212 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

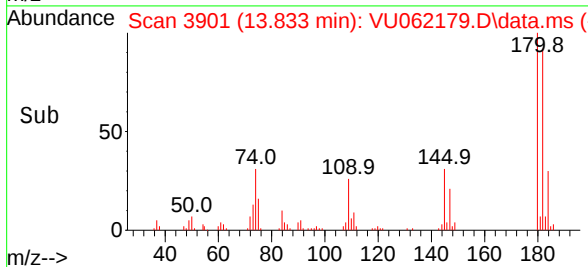
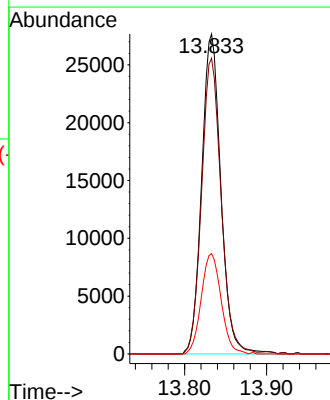
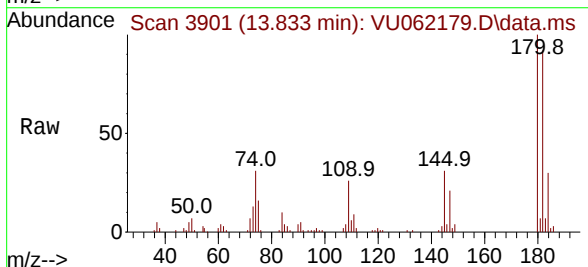
Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

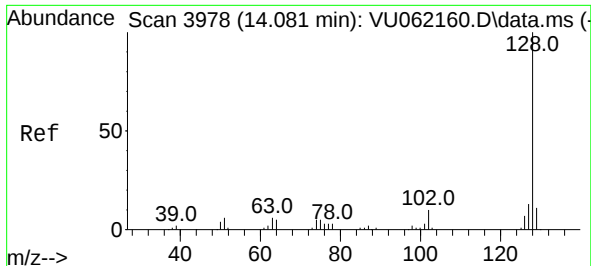
Tgt Ion:180 Resp: 51509
Ion Ratio Lower Upper
180 100
182 97.4 76.7 115.1
184 31.3 24.8 37.2
145 33.2 25.4 38.0



#70
1,2,4-trichlorobenzene
Concen: 4.545 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:180 Resp: 44896
Ion Ratio Lower Upper
180 100
182 94.2 74.5 111.7
145 32.4 25.6 38.4

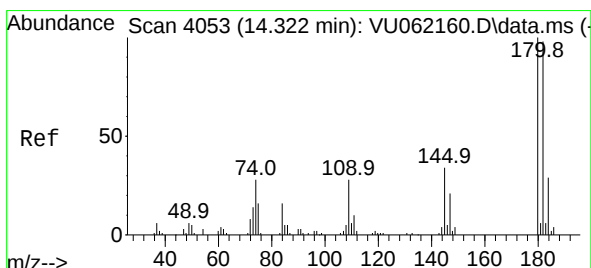
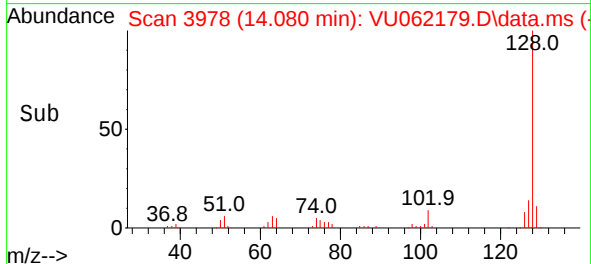
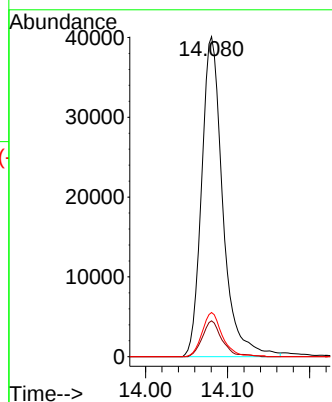
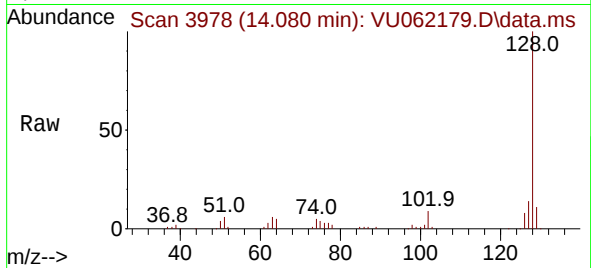




#71
Naphthalene
Concen: 4.857 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Instrument :
MSVOA_U
ClientSampleId :
E1PKOMS

Tgt Ion:128 Resp: 72047
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 13.2 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.741 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.003 min
Lab File: VU062179.D
Acq: 09 Dec 2024 23:55

Tgt Ion:180 Resp: 41304
Ion Ratio Lower Upper
180 100
182 93.1 76.1 114.1
145 33.8 27.4 41.0

